

# SKB Research Library

Sven van der Meer

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# Articles

## 1800

**Gottlieb Frege:** *On Sense and Reference*, 1892

- Author: Gottlieb Frege
- Published as *On Sense and Reference*, later as *On Sense and Meaning*, German original: *Über Sinn und Bedeutung*
- Reasons to read: philosophical definition for a name
- Publisher: Seeley & Co. of London
- Links: [Wikipedia: en](#), [Wikipedia: de](#), [Goodreads](#), [PDF:en & de](#)    skb: [yaml](#), [adoc](#)

## 1960

**Edsger W. Dijkstra:** *The Structure of the “THE” Multiprogramming System*, 1968

- Author: Edsger W. Dijkstra
- Reasons to read: introduces concept of layers
- Published: Communications of the ACM CACM, Volume 11 Issue 5, May 1968, Pages 341-346
- Links: [DOI](#), [PDF](#), [Text](#)    skb: [yaml](#), [adoc](#)

## 1970

**Donald Davies:** *The Control of Congestion in Packet-Switching Networks*, 1972

- Author: Donald Davies
- Reasons to read: parallel work to (Baran 64), packet-switched networks
- Published: IEEE Transactions on Communications (Volume: 20, Issue: 3, Jun 1972)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

**Edsger W. Dijkstra:** *Hierarchical ordering of sequential Processes*, 1971

- Author: Edsger W. Dijkstra
- Reasons to read: a more formal discussion on layers
- Published: Acta Informatica, June 1971, Volume 1, Issue 2, pp 115–138
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**P. Brinch Hansen:** *The nucleus of a multiprogramming system*, 1970

- Author: P. Brinch Hansen
- Reasons to read: first principle of separation of strategy from process
- Published: Communications of the ACM CACM, Volume 13 Issue 4, April 1970, Pages 238-241
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**William B. Rouse:** *A Model-Based Approach to Policy Analysis in Library Networks*, 1979

- Author: William B. Rouse
- Reasons to read: policy to control sharing resources, rules for the *control* of how to share resources (and rule analysis)
- Published: IEEE Transactions on Systems, Man, and Cybernetics (Volume: 9, Issue: 9, Sept. 1979)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Richard W. Watson:** *An Architecture for Support of Network Operating System Services*, 1976

- Author: Richard W. Watson
- Reasons to read: tbd
- Published: Computer Networks (1976), Volume 4, Issue 1, February 1980, Pages 33-49
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

## 1980

**Charles W. Bachman et al.:** *Toward a more complete Reference Model of Computer-based Information Systems*, 1982

- Authors: Charles W. Bachman, Ronald G. Ross
  - Reasons to read: original contribution of what became then the OSI Reference Model / 7 Layer Model
  - Published: Computers and Standards, Volume 1, Issue 1, January 1982, Pages 35-48
  - Links: [DOI](#)    skb: [yaml](#), [adoc](#)
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**Charles W. Bachman** et al.: *Toward a more Complete Reference Model of Computer-based Information Systems*, 1982

- Authors: Charles W. Bachman, Ronald G. Ross
- Reasons to read: original contribution of what became then the OSI Reference Model / 7 Layer Model
- Published: Computer Networks, Volume 6, Issue 5, November 1982, Pages 331-343
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Umeshwar Dayal** et al.: *The HiPAC project: combining active databases and timing constraints*, 1988

- Authors: Umeshwar Dayal, Barbara Blaustein, Alejandro Buchmann, Sharma Chakravarthy, Meichun Hsu, R. Ledin, Dennis R. McCarthy, Arnon Rosenthal, A. Sarin, M. J. Carey, Miron Livny, R. Jauhari
- Reasons to read: origin of Event Condition Action (ECA) rules
  - Defines ECA rules – Event, Condition, Action
    - Event triggers rule, i.e. condition evaluation
    - Condition is set of queries
    - Action is executed when rule is triggered and condition is satisfied
  - Processing rules is strongly related to database transactions
  - Two couplings are defined: E-C and C-A
  - Event types: database operation, temporal, external notification
  - Funded by DARPA
- Published: ACM SIGMOD Record - Special Issue on Real-Time Database Systems, Volume 17 Issue 1, March, 1988, Pages 51 - 70
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Geneviève Jomier**: *A Mathematical Model for the Comparison of Static and Dynamic Memory Allocation in a Paged System*, 1981

- Author: Geneviève Jomier
  - Reasons to read: separate static and dynamic policies for memory allocation, static: memory allocated at scheduling time, dynamic: memory evolves with process
  - Published: IEEE Transactions on Software Engineering (Volume: SE-7, Issue: 4, July 1981)
  - Links: [DOI](#)    skb: [yaml](#), [adoc](#)
-

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**Farouk Kamoun:** *A Drop and Throttle Flow Control Policy for Computer Networks*, 1981

- Author: Farouk Kamoun
- Reasons to read: rules to detect and later prevent network congestion
- Published: IEEE Transactions on Communications (Volume: 29, Issue: 4, Apr 1981)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Richard W. Watson:** *Timer-based Mechanisms in reliable Transport Protocol Connection Management*, 1981

- Author: Richard W. Watson
- Reasons to read: only 3 timers are needed, in the protocol, no local clocks and no clock synchronization required
- Original break-through happened in 1978, so some reference date it to 1978
- Also published as IEN193
- Published: Computer Networks (1976), Volume 5, Issue 1, February 1981, Pages 47-56
- Links: [DOI](#), [PDF: IEN193](#)    skb: [yaml](#), [adoc](#)

## 1990

**Jonathan Moffett et al.:** *Specifying Discretionary Access Control Policy for Distributed Systems*, 1990

- Authors: Jonathan Moffett, Morris Sloman, Kevin Twidle
- Reasons to read: defines policy as a paradigm for network management
- Published: Computer Communications, Volume 13, Issue 9, November 1990, Pages 571-580
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**Morris J. Sloman:** *Policy driven Management for Distributed Systems*, 1994

- Author: Morris J. Sloman
- Reasons to read: defines policy as a paradigm for network management
- Published: Journal of Network and Systems Management (JNSM), December 1994, Volume 2, Issue 4, pp 333–360
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## 2000

**Stefan Arbanowski et al.: *I-centric Communications*, 2001**

- Authors: Stefan Arbanowski, Sven van der Meer, Stephan Steglich, Radu Popescu-Zeletin
- Published: Informatik Forschung und Entwicklung (IFE), November 2001, Volume 16, Issue 4, pp 225–232
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

**Stefan Arbanowski et al.: *The Human Communication Space: Towards I-centric Communications*, 2001**

- Authors: Stefan Arbanowski, Sven van der Meer, Stephan Steglich, Radu Popescu-Zeletin
- Published: Personal and Ubiquitous Computing (PUC), February 2001, Volume 5, Issue 1, pp 34–37
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Raouf Boutaba et al.: *Policy-based Management: A Historical Perspective*, 2007**

- Authors: Raouf Boutaba, Issam Aib
- Reasons to read: history and evolution of policy in management, recursive models, good source for references on policy
- Published: Journal of Network and Systems Management, December 2007, Volume 15, Issue 4, pp 447–480
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Steven Davy et al.: *The Policy Continuum – Policy Authoring and Conflict Analysis*, 2008**

- Authors: Steven Davy, Brendan Jennings, John C. Strassner
- Reasons to read: a continuum for policies, multiple policy models
- Published: Computer Communications, Volume 31, Issue 13, 15 August 2008, Pages 2981-2995
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Brendan Jennings et al.: *Towards Autonomic Management of Communications Networks*, 2007**

- Authors: Brendan Jennings, Sven van der Meer, Sasitharan Balasubramaniam, Dmitri Botvich, Mícheál Ó Foghlú, Willie Donnelly, John C. Strassner
- Published: IEEE Communications Magazine (Volume: 45, Issue: 10, October 2007)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)



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**Declan O’Sullivan** et al.: *The Use of Context-Aware Policies and Ontologies to Facilitate Business-Aware Network Management*, 2009

- Authors: Declan O’Sullivan, John C. Strassner, Sven van der Meer
- Published: Journal of Network and Systems Management (JNSM), September 2009, Volume 17, Issue 3, pp 231–233
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Gary N. Stone** et al.: *Network Policy Languages: A Survey and a New Approach*, 2001

- Authors: Gary N. Stone, Bert Lundy, Geoffrey G. Xie
- Reasons to read: survey of policy languages, and an approach for them
- Published: IEEE Network (Volume: 15, Issue: 1, Jan/Feb 2001)
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**John C. Strassner** et al.: *The Design of a New Policy Model to Support Ontology-Driven Reasoning for Autonomic Networking*, 2009

- Authors: John C. Strassner, José Neuman de Souza, Sven van der Meer, Steven Davy, Keara Barrett, David Raynmer, Srini Samudrala
- Published: Journal of Network and Systems Management (JNSM), June 2009, Volume 17, Issue 1–2, pp 5–32
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**John C. Strassner** et al.: *The Use of Context-Aware Policies and Ontologies to Facilitate Business-Aware Network Management*, 2009

- Authors: John C. Strassner, Sven van der Meer, Declan O’Sullivan, Simon Dobson
- Published: Journal of Network and Systems Management (JNSM), September 2009, Volume 17, Issue 3, pp 255–284
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer**: *Research - a personal perspective*, 2004

- Author: Sven van der Meer
  - Published: Research Matters, Issue I, Number I, WIT, Waterford, Ireland, 2004
  - Links: [Research Matters](#)    skb: [yaml](#), [adoc](#)
-

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**Mariemma I. Yagüe:** *Survey on XML-Based Policy Languages for Open Environments*, 2006

- Author: Mariemma I. Yagüe
- Reasons to read: early work on policy in network management
- Published: Journal of Information Assurance and Security 1 (2006) 11-20
- Links: [CiteSeer](#), [ResearchGate](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## 2010

**Rob Brennan et al.:** *Multidomain IT Architectures for Next-Generation Communications Service Providers*, 2010

- Authors: Rob Brennan, Kevin Feeney, John Keeney, Declan O’Sullivan, Joel J. Fleck II, Simon Foley, Sven van der Meer
- Reasons to read: inter-domain relationships and policy translation
- Published: IEEE Communications Magazine (Volume: 48, Issue: 8, August 2010)
- Links: [DOI](#), [ResearchGate](#), [PDF: TCD](#)    skb: [yaml](#), [adoc](#)

**John Day:** *The Clamor Outside as INWG Debated: Economic War Comes to Networking*, 2016

- Author: John Day
- Reasons to read: INWG history
- Publisher: IEEE Annals of the History of Computing (Volume: 38, Issue: 3, July-Sept. 2016)
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Weili Han et al.:** *A Survey on Policy Languages in Network and Security Management*, 2012

- Authors: Weili Han, Chang Lei
- Reasons to read: survey of policy languages, here for security
- Published: Computer Networks, Volume 56, Issue 1, 12 January 2012, Pages 477-489
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Alex McKenzie:** *INWG and the Conception of the Internet: An Eyewitness Account*, 2011

- Author: Alex McKenzie
- Reasons to read: INWG history
- Publisher: IEEE Annals of the History of Computing (Volume: 33, Issue: 1, Jan. 2011)
- Links: [DOI](#), [Online](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**Sebastian Robitzsch** et al.: *Magnet: Real-Time Trace Stream Analytics Framework for 5G Operations Support Systems*, 2017

- Authors: Sebastian Robitzsch, Faisal Zaman, Sven van der Meer, John Keeney, Gabriel-Miro Muntean
- Published: IEEE Network (Volume: 31, Issue: 5, 2017)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Andrew L. Russell**: *OSI: The Internet That Wasn't*, 2013

- Author: Andrew L. Russell
- Reasons to read: OSI standardization history
- Publisher: IEEE Spectrum (Volume: 50, Issue: 8, August 2013)
- Links: [DOI](#), [Online](#)    skb: [yaml](#), [adoc](#)

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**Andrew L. Russell** et al.: *In the Shadow of the ARPANET and Internet: Louis Pouzin and the Cyclades Network in the 1970s*, 2014

- Authors: Andrew L. Russell, Valérie Schafer
- Reasons to read: Pouzin and CYCLADES in the historic context of ARPANET and Internet
- Publisher: Technology and Culture, Johns Hopkins University Press, Volume 55, Number 4, October 2014
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

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**Martín Jamie Serrano** et al.: *Federated Reference Model Architecture: An Autonomic Approach for Service Management*, 2010

- Authors: Martín Jamie Serrano, Sven van der Meer, Viliam Holub, John Murphy, John C. Strassner
- Published: Systemics and Informatics World Network, Vol. 11, August 2010, pp. 137-150
- Links: [SIWN](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer** et al.: *SDN Architectural Limitations: Towards a Full Software Network Vision*, 2016

- Authors: Sven van der Meer, Eduard Grasa
  - Published: IEEE Softwarization, May 2016
  - Links: [Article](#)    skb: [yaml](#), [adoc](#)
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**Faisal Zaman** et al.: *A Recommender System Architecture for Predictive Telecom Network Management*, 2015

- Authors: Faisal Zaman, Gabriel Hogan, Sven van der Meer, John Keeney, Sebastian Robitzsch, Gabriel-Miro Muntean
- Published: IEEE Communications Magazine (Volume: 53, Issue: 1, January 2015)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## Books

### 1600

**Isaac Newton**: *Regulae Philosophandi or Philosophiæ Naturalis Principia Mathematica*, 1687

- Author: Isaac Newton
- Reasons to read: scientific principles only work within a given set of bounds, nature is essentially simple, similar effects must be assigned to the same cause
- Links: [Wikipedia](#), [Project Gutenberg: Latin](#), [English by Ian Bruce: online](#)    skb: [yaml](#), [adoc](#)

### 1700

**Gottfried Leibniz**: *Monadology or Lehrsätze über die Monadologie*, 1714

- Author: Gottfried Leibniz
- Published: 1714 (French), 1720 (German)
- Reasons to read: the first (that we know of) and grandest attempt to conceive of the world as as a system, in particular as a system of "reflections" in which the state of every element recursively mirrors the state of the whole
- Links: [Wikipedia](#), [Goodreads](#), [English: by Robert Latta](#), [German: Gutenberg Projekt](#)    skb: [yaml](#), [adoc](#)

### 1800

**Edwin A. Abbott:** *Flatland: A Romance of Many Dimensions*, 1884

- Author: Edwin A. Abbott
- Reasons to read: the world limited by dimensions, also a social critic
- Publisher: Seeley & Co. of London
- Links: [Wikipedia](#), [Goodreads](#), [LaTeX by Ivesvdf](#), [Internet Archive](#), [Gutenberg](#), a [movie](#), [The Film: youtube](#)    skb: [yaml](#), [adoc](#)

**Gottlieb Frege:** *Grundgesetze der Arithmetik or Basic Laws of Arithmetic*, 1893

- Author: Gottlieb Frege
- Reasons to read: the world limited by dimensions, also a social critic
- Publisher: Seeley & Co. of London, 1893 (Volume I), 1903 (Volume II)
- Links: [Goodreads: en](#), [Goodreads: de](#), [PDF: de](#)    skb: [yaml](#), [adoc](#)

## 1910

**Bertrand Russell:** *Introduction to Mathematical Philosophy*, 1919

- Author: Bertrand Russell
- Reasons to read: introduction to mathematics and the more fundamental "Principia Mathematica"
- Publisher: George Allen & Unwin, Ltd, London
- Links: [Wikipedia](#), [Goodreads](#), [PDF: old typeset](#), [Online at UMass](#)    skb: [yaml](#), [adoc](#)

## 1920

**Ludwig Wittgenstein:** *Tractatus Logico-Philosophicus*, 1922

- Author: Ludwig Wittgenstein
- Published: 1921 (German, *Logisch-Philosophische Abhandlung*), 1922 (English)
- Reasons to read: picture theory, logical atomism, distinction between saying and showing, Wittgenstein's ladder, proposition 7
- Publisher: Kegan Paul, Trench, Trubner & CO
- Links: [Wikipedia](#), [Goodreads](#), [eBooks at Gutenberg Project](#), [eBooks at UMass](#)    skb: [yaml](#), [adoc](#)

## 1930

**Ludwig Fleck:** *Gensis and Development of a Scientific Fact*, 1935

- Author: Ludwig Fleck
- Published: 1935 (German, *Entstehung und Entwicklung einer wissenschaftlichen Tatsache*), 1979 (English)
- Reasons to read: philosophy of science, social process of science
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

## 1950

**W. Ross Ashby:** *An Introduction to Cybernetics*, 1956

- Author: W. Ross Ashby
- Reasons to read: cybernetics into, Law of Requisite Variety
- Publisher: John Wiley & Sons
- Links: [Goodreads](#), [pdf: original typeset](#), [pdf: new typeset](#), [discussion on requisite variety](#), [WikiQuotes](#)    skb: [yaml](#), [adoc](#)

**Theodor Seuss Geisel:** *The Sneetches and Other Stories*, 1953

- Author: Theodor Seuss Geisel
- also known as Dr. Seuss
- Publisher: Redbook (magazines), Random House (book)
- Reasons to read: Ms McCave "too many Daves" as metaphor for too many things with the same name
- Links: [Wikipedia](#), [Goodreads](#), [Wikipedia: Too Many Dave's](#), [Poem](#), [Animation: youtube](#)    skb: [yaml](#), [adoc](#)

**Joseph Needham:** *Science and Civilisation in China*, 1954

- Author: Joseph Needham
- Reasons to read: the West was only one to make the leap from artisan to science
- Publisher: Cambridge University Press
- Links: [Wikipedia](#)    skb: [yaml](#), [adoc](#)

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**Marie Neurath:** *How Machines Work*, 1954

- Author: Marie Neurath
- Reasons to read: the most simple, yet expressive, introduction on machines :)
- Publisher: Max Parrsiah, London
- Links: [gallery with 3 pages](#), [all pages](#)    skb: [yaml](#), [adoc](#)

**Karl Popper:** *The Logic of Scientific Discovery*, 1959

- Author: Karl Popper
- Published: 1934 (German, *Logik der Forschung*), 1959 (English)
- Publisher: Hutchinson & Co
- Reasons to read: "The first step is to state a hypothesis. To state a hypothesis, one must start with a theory to be invalidated", shows: you can never prove a theory correct; you can only invalidate it
- Links: [Wikipedia](#), [Goodreads](#), [Online: English](#), [PDF: English](#)    skb: [yaml](#), [adoc](#)

## 1960

**Thomas Kuhn:** *Structure of Scientific Revolutions*, 1962

- Author: Thomas Kuhn
- Reasons to read: philosophy of science
- Publisher: University of Chicago Press
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Norbert Wiener:** *Cybernetic OR Control and Communication in the Animal and the Machine*, 1965

- Author: Norbert Wiener
- Reasons to read: the standard work on cybernetics (with definition) and control
- Publisher: MIT Press, Cambridge, Massachusetts
- Links: [Wikipedia](#), [Goodreads](#), [PDF: original typeset](#)    skb: [yaml](#), [adoc](#)

## 1970

**Christopher Alexander:** *A Pattern Language*, 1977

- Author: Christopher Alexander
- Reasons to read: (most) influential book on patterns, laid foundation for software patterns
- Publisher: Oxford University Press
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Christopher Alexander:** *The Timeless Way of Building*, 1979

- Author: Christopher Alexander
- Reasons to read: "how to think about X", a new theory of architecture (and design in general) that relies on the understanding and configuration of design patterns
- Is actually the introduction to *A Pattern Language* by the same author, though published later
- Publisher: Oxford University Press
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Samuel C. Florman:** *The Existential Pleasures of Engineering*, 1976

- Author: Samuel C. Florman
- Reasons to read: to understand engineering, how engineers think and feel about their profession
- Links: [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Imre Lakatos:** *Proofs and Refutations*, 1976

- Author: Imre Lakatos
- Reasons to read: the way of thinking, "listen to the problem"
- Publisher: Cambridge University Press
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Robert MacArthur:** *Geographical Ecology: Patterns in the Distribution of Species*, 1972

- Author: Robert MacArthur
- Reasons to read: island of biogeography, "A field cannot consider itself a science until it can progress beyond natural history"
- Publisher: Vintage
- Links: [Goodreads](#)    skb: [yaml](#), [adoc](#)

## 1980



**Humberto R. Maturana** et al.: *The Tree of Knowledge*, 1987

- Authors: Humberto R. Maturana, Francisco J. Valera
- Reasons to read: tbd
- Publisher: Shambhala, Boston & London
- Links: [Goodreads](#), [PDF](#) skb: [yaml](#), [adoc](#)

## 1990

**Gerald Edelman**: *Bright Air Brilliant Fire*, 1992

- Author: Gerald Edelman
- Reasons to read: theory of Neural Darwinism feeds into Maturana quite nicely, the application of Edelman in Sacks' Seeing Voices
- Publisher: Basic Books
- Links: [Goodreads](#) skb: [yaml](#), [adoc](#)

**Stuart Kaufmann**: *The Origins of Order*, 1993

- Author: Stuart Kaufmann \* Reasons to read: works out the math and science in detail and shows that life is virtually inevitable, scientific version of "At home in the universe"
- Publisher: Oxford University Press, USA
- Links: [Goodreads](#) skb: [yaml](#), [adoc](#)

**Stuart Kaufmann**: *At Home in the Universe*, 1996

- Author: Stuart Kaufmann
- Reasons to read: works out the math and science in detail and shows that life is virtually inevitable, Scientific American (popular science magazine) version of "The origins of order"
- Publisher: Oxford University Press, USA
- Links: [Goodreads](#) skb: [yaml](#), [adoc](#)

**Oliver Sacks**: *The Man Who Mistook His Wife for a Hat*, 1998

- Author: Oliver Sacks
- Reasons to read: aberrations of the human mind, contribute to Maturana's view
- Publisher: Touchstone
- Links: [Goodreads](#) skb: [yaml](#), [adoc](#)

# 2000

**John Day:** *Patterns in Network Architecture: A Return to Fundamentals*, 2007

- Author: John Day
- Reasons to read: fundamental patterns for network architecture, historic context, anecdotal context
- Publisher: Pearson Edition
- Links: [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Stephen Jay Gould:** *The Richness of Life: The Essential Stephen Jay Gould*, 2006

- Author: Stephen Jay Gould
- Reasons to read: wrote a monthly article for Natural History on evolution, the collections of his articles are a good primer in how stochastic processes work in the large
- Publisher: Vintage
- Links: [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Oliver Sacks:** *Seeing Voices*, 2000

- Author: Oliver Sacks
- Reasons to read: aberrations of the human mind, contribute to Maturana's view
- Publisher: Vintage
- Links: [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Lee Smolin:** *The Trouble with Physics*, 2006

- Author: Lee Smolin
- Reasons to read: "groupthink" anti pattern, role of controversy and disagreement in the progress of science, professionalization has led to selecting for "master craftsmen" to the almost complete exclusion of "seers."
- Publisher: Reed Business Information
- Links: [Wikipedia](#), [online](#)    skb: [yaml](#), [adoc](#)

**John C. Strassner:** *Policy-based Network Management: Solutions for the Next Generation*, 2004

- Author: John C. Strassner
- Publisher: Morgan Kaufman
- Links: [ScienceDirect](#)    skb: [yaml](#), [adoc](#)

# 2010

**David Deutsch:** *The Beginning of Infinity*, 2011

- Author: David Deutsch
- Reasons to read: error is the normal state of our knowledge, good and bad philosophy
- Publisher: Viking
- Links: [Wikipedia](#), [Goodreads](#)    skb: [yaml](#), [adoc](#)

**Andrew L. Russell:** *Open Standards and the Digital Age: History, Ideology, and Networks*, 2014

- Author: Andrew L. Russell
- Reasons to read: history of networks and network standards
- Publisher: Cambridge University Press
- Links: [Goodread](#), [Google Books](#)    skb: [yaml](#), [adoc](#)

**Jason McC. Smith:** *Elemental Design Patterns*, 2012

- Author: Jason McC. Smith
- Reasons to read: scientific approach to software pattern (not OO-software-patterns), comprehensive graphical language
- Publisher: Addison-Wesley Professional
- Links: [Goodreads](#), [PDF: technical report](#), [PDF: paper](#), [PPTX](#)    skb: [yaml](#), [adoc](#)

## Collections

# 2000

**Monique Calisti et al.:** *Advanced Autonomic Networking and Communication*, 2008

- Authors: Monique Calisti, Sven van der Meer, John C. Strassner
- Reasons to read: several views on autonomic networking based on European projects and workshops
- Published: part of Whitestein Series in Software Agent Technologies and Autonomic Computing book series (WSSAT)
- Publisher: Birkhäuser, Basel
- Links: [SpringerLink](#)    skb: [yaml](#), [adoc](#)

# in Book

## 1700

**Johan Wolfgang von Goethe:** *Der Zauberlehrling (The Sorcerer's Apprentice)*\_, 1797

- Author: Johan Wolfgang von Goethe
- Reasons to read: metaphor using "Die ich rief, die Geister werd ich nun nicht los." ("The spirits that I called", or "Spirits I have conjured, no longer pay me heed.")
- Published: Friedrich Schiller's *Musen-Almanach*, 1798
- Links: [Wikipedia: English](#), [Wikipedia: Deutsch with text](#), [Fantasia Cartoon](#), [a translation yml](#), [adoc](#)    skb:

## 1800

**Washington Irving:** *Rip Van Winkle*, 1819

- Author: Washington Irving
- Reasons to read: metaphor for long sleep and consequences
- Part of "The Sketch Book of Geoffrey Crayon, Gent"
- Publisher: Cornelius S. Van Winkle (book)
- Links: [Wikipedia](#), [Wikisource: full text](#)    skb: [yml](#), [adoc](#)

## 1970

**Jerome H. Saltzer:** *Naming and Binding of Objects*, 1978

- Author: Jerome H. Saltzer
- Reasons to read: defines name, defines name binding
- Published: chapter 3 In: Bayer R., Graham R.M., Seegmüller G. (eds) *Operating Systems. Lecture Notes in Computer Science*, vol 60. Springer, Berlin, Heidelberg
- Preprint from 1977, so some reference date it to 1977
- See also slide/page 8 [here](#) (for computer networks)
- Links: [DOI](#), [PDF \(scanned\)](#), [online](#)    skb: [yml](#), [adoc](#)

## 2000

**Claire Fahy** et al.: *Modelling Behaviour and Distribution for the Management of Next Generation Networks*, 2008

- Authors: Claire Fahy, Miguel Ponce de Leon, Sven van der Meer, Ricardo Marin, J. Vivero, Joan Serrat, Nektarios Georgalas, Philipp Leitner, Sandra Collins, B. Baesjou
- Reasons to read: introduction to large-scale experimentation with RINA, the H2020 project ARCFIRE
- Published: pp 43-62 In: Monique Calisti, Sven van der Meer, John Strassner (eds) *Advanced Autonomic Networking and Communication*, Whitestein Series in Software Agent Technologies and Autonomic Computing book series (WSSAT)
- Publisher: Birkhäuser, Basel
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *Technology Neutral Principles and Concepts for Autonomic Networking*, 2008

- Authors: Sven van der Meer, Joel J. Fleck II, Martin Huddleston, Dave Raymer, John C. Strassner, Willie Donnelly
- Reasons to read: introduction to large-scale experimentation with RINA, the H2020 project ARCFIRE
- Published: pp 1-25 In: Monique Calisti, Sven van der Meer, John Strassner (eds) *Advanced Autonomic Networking and Communication*, Whitestein Series in Software Agent Technologies and Autonomic Computing book series (WSSAT)
- Publisher: Birkhäuser, Basel
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## 2010

**Brendan Jennings** et al.: *Autonomic Network Management Principles: From Concepts to Applications*, 2010

- Authors: Brendan Jennings, Kevin Chekov Feeney, Rob Brennan, Sasitharan Balasubramaniam, Dmitri Botvich, Sven van der Meer
- Published: chapter 5, pp 101-118 In: Nazim Agoulmine, *Autonomic Network Management Principles: From Concepts to Applications*, Academic Press, Inc. Orlando, FL, USA
- Links: [Publisher](#), [ResearchGate](#), [TCD](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer** et al.: *Recursive InterNetwork Architecture (ARCFIRE, Large-scale benchmark on FIRE)*, 2016

- Authors: Sven van der Meer, Eduard Grasa, Leonardo Bergesio, Miquel Tarzan, Diego Lopez, Dimitri Staessens, Sander Vrijders, Vincenzo Maffione, John Day
- Reasons to read: introduction to large-scale experimentation with RINA, the H2020 project ARCFIRE
- Published: chapter 19, pp 575-585 In: Martin Serrano, Nikolaos Isaris, Hans Schaffers, John Domingue, Michael Boniface, Thanasis Korakis (eds) *Building the Future Internet through FIRE*, Lecture Notes in Computer Science, vol 60. Springer, Berlin, Heidelberg
- Publisher: as Open Access by River Publishers, Delft, The Netherlands
- Links: [DOI](#), [Publisher](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## in Proceedings

1970

**R. Levin** et al.: *Policy/Mechanism Separation in Hydra*, 1975

- Authors: R. Levin, E. Cohen, W. Corwin, F. Pollack, W. Wulf
- Reasons to read: first principle of separation of mechanism and policy, policy is artifact of *control* for mechanisms, separates kernel level decision making from user level decision declaration
- Published: SOSP '75 Proceedings of the fifth ACM Symposium on Operating Systems Principles, pages 132-140
- Also: ACM SIGOPS Operating Systems Review 9(5):132-140 · November 1975
- Links: [DOI](#), [ResearchGate](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Robert M. Metcalf**: *Strategies for Operating Systems in Computer Networks*, 1972

- Author: Robert M. Metcalf
- Reasons to read: states that networking is Inter Process Communication (IPC)
- Published: ACM '72 Proceedings of the ACM annual conference - Volume 1, Pages 278-281
- See also slide/page 8 [here](#) (for computer networks)
- Links: [DOI](#), [PDF: online](#)    skb: [yaml](#), [adoc](#)

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**Louis Pouzin:** *Virtual circuits vs. datagrams: technical and political problems*, 1976

- Author: Louis Pouzin
- Reasons to read: Technological and political dimensions of circuit switching and introduction to datagrams
- Published: AFIPS '76 Proceedings of the National Computer Conference and Exposition, June 7-10, 1976, pages 483-494
- See also slide/page 8 [here](#) (for computer networks)
- Links: [DOI](#), [PDF: computer.org](#)    skb: [yaml](#), [adoc](#)

**John Shoch:** *Inter-Network Naming, Addressing, and Routing*, 1978

- Author: John Shoch
- Reasons to read: names, addresses, routing
- Published: Compcon Fall 78 (17th : 1978 : Washington, D.C.), September 5-8, Washington DC, pp. 72-79
- Also published as IETF IEN 19
- Also published in: Also in Thurber, K. (ed.), Tutorial: Distributed Processor Communication Architecture, IEEE Publ. #EHO 152-9, 1979, pp. 280-287
- Links: [IEN19: txt](#)    skb: [yaml](#), [adoc](#)

**Richard W. Watson et al.:** *An Architecture for Support of Network Operating System Services*, 1979

- Authors: Richard W. Watson, John G. Fletcher
- Published: Conference: 4. Berkeley workshop on distributed data management and computer networks, Berkeley, CA, USA, 28 Aug 1979
- Links: [OSTI](#), [Online](#)    skb: [yaml](#), [adoc](#)

## 1980

**J. E. Dobson et al.:** *A Framework for expressing Models of Security Policy*, 1989

- Authors: J. E. Dobson, J. A. McDermid
  - Reasons to read: system specification describes *what* a system does while a policy describes how, dynamic features are *policy*, *role*, and *control*
  - Published: Proceedings. 1989 IEEE Symposium on Security and Privacy
  - Links: [DOI](#)    skb: [yaml](#), [adoc](#)
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**Dennis R. McCarthy** et al.: *The Architecture Of An Active Data Base Management System*, 1989

- Authors: Dennis R. McCarthy, Umeshwar Dayal
- Reasons to read: extension of ECA rules for databases, architecture of a resulting active database management system
- Published: SIGMOD '89 Proceedings of the 1989 ACM SIGMOD international conference on Management of data, Pages 215-224, Portland, Oregon, USA
- Links: link::<https://doi.org/10.1145/67544.66946>[DOI], [PDF](#)    skb: [yaml](#), [adoc](#)

**D.C. Robinson** et al.: *Domains: a new Approach to Distributed System Management*, 1988

- Authors: D.C. Robinson, Morris Sloman
- Reasons to read: early work on policy in network management
- Published: 1988 Proceedings. Workshop on the Future Trends of Distributed Computing Systems in the 1990s
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Jerome H. Saltzer**: *On the Naming and Binding of Network Destinations*, 1982

- Author: Jerome H. Saltzer
- Reasons to read: further thoughts in name and name binding
- Published: FIP TC 6 International In-Depth Symposium on Local Networks, LCN, P. Ravasio (Eds.), pp 311-317, 1982
- Also published as IETF RFC 1498 (1983)
- Preprint from 1977, so some reference date it to 1977
- Links: [runoff manuscript](#), [PDF: slides](#), [LNN draft](#), [DOI: RFC1498](#)    skb: [yaml](#), [adoc](#)

**K. Twidle** et al.: *Domain based Configuration and Name Management for Distributed Systems*, 1988

- Authors: K. Twidle, Morris Sloman
- Reasons to read: early work on policy in network management
- Published: 1988 Proceedings. Workshop on the Future Trends of Distributed Computing Systems in the 1990s
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)



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**Richard W. Watson:** *Timer-based Mechanisms in reliable Transport Protocol Connection Management: a Comparison of the TCP and Delta-t Protocol Approaches*, 1980

- Author: Richard W. Watson
- Reasons to read: only 3 timers are needed, in the protocol, no local clocks and no clock synchronization required
- Published: Conference: Trends and applications symposium, Gaithersburg, MD, USA, 29 May 1980
- Links: [OSTI](#)    skb: [yaml](#), [adoc](#)

**Richard W. Watson:** *Delta-t Transport Protocol: Features and Experience*, 1989

- Author: Richard W. Watson
- Reasons to read: Delte-T experience report
- Published: 1989 Proceedings. 14th Conference on Local Computer Networks (LCN)
- Links: [DOI](#), [OSTI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## 1990

**Stefan Arbanowski et al.:** *Service Personalization for Unified Messaging Systems*, 1999

- Authors: Stefan Arbanowski, Sven van der Meer
  - Published: IEEE International Symposium on Computers and Communications (Cat. No.PR00250)
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Dale Miller:** *A Proposal for Modules in  $\lambda$ Prolog*, 1993

- Author: Dale Miller
- Reasons to read: introduces the turing machine syndrome
- Related: Alberto Momigliano and Mario Ornaghi, Proof-Theoretic and Higher-Order Extensions of Logic Programming, LNCS 6125, 2010
  - Links: [springer](#)
  - Quote: "This outcome [...] has been named 'recreating the Turing Machine' syndrome [Miller]: starting from a computationally clean and semantically motivated language, one tends to add external mechanisms in order to make it suitable for programming-in-the-large. This inevitably tends to clutter the formal definition of the language (if any), making trusting the language itself and thus reasoning about it problematic."
- Published: International Workshop on Extensions of Logic Programming, ELP 1993: Extensions of Logic Programming, pp 206-221
- Links: [DOI](#), [ELP93](#), [PDF: elp](#), [Draft text](#)    skb: [yaml](#), [adoc](#)

**Tom Pfeifer et al.:** *The Active Store providing Quality Enhanced Unified Messaging*, 1998

- Authors: Tom Pfeifer, Sven van der Meer
- Published: 5<sup>th</sup> IFIP TC-6 Conference on Computer Communications (AFRICOM-CCDC 1998), Tunis, Tunisia, October 20-22, 1998
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Morris J. Sloman:** *Management for Open Distributed Processing*, 1990

- Author: Morris J. Sloman
- Reasons to read: management in context of ODP and OSI, introduces domains
- Published: 1990 Proceedings Second IEEE Workshop on Future Trends of Distributed Computing Systems
- Links: [DOI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer et al.:** *Environment-aware Applications: Integrating Mobile Communications and Ubiquitous Computing*, 1999

- Authors: Sven van der Meer, Stefan Arbanowski, Radu Popescu-Zeletin
- Published: 7<sup>th</sup> Annual International Conference on Advances in Communication and Control (COMCON 1999), pp 415-428, Athens, Greece, June 28 - July 2, 1999
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer et al.:** *A Platform for Environment-Aware Applications*, 1999

- Authors: Sven van der Meer, Stefan Arbanowski, Radu Popescu-Zeletin
- Published: International Symposium on Handheld and Ubiquitous Computing, HUC 1999: Handheld and Ubiquitous Computing pp 368-370
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 1707)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer et al.:** *An Approach for a 4th Generation Messaging System*, 1999

- Authors: Sven van der Meer, Stefan Arbanowski, Thomas Magedanz
- Published: Fourth International Symposium on Autonomous Decentralized Systems (ISADS) - Integration of Heterogeneous Systems
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## 2000

**Stefan Arbanowski et al.:** *I-centric Services in the Area of Telecommunication ‘The I-Talk Service’*, 2000

- Authors: Stefan Arbanowski, Sven van der Meer, Radu Popescu-Zeletin
- Published: International Conference on Intelligence in Networks, SMARTNET 2000: Telecommunication Network Intelligence, Vienna, Austria, September 18-22, 2000
- Part of: IFIP — The International Federation for Information Processing book series (IFIPAICT, volume 50), pp 499-508
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Stefan Arbanowski et al.:** *Open Profiling for Ubiquitous Computing*, 2000

- Authors: Stefan Arbanowski, Holger Waterstrat, Sven van der Meer, Radu Popescu-Zeletin
- Published: 1st Workshop on Ubiquitous Computing (WUC 2000), Philadelphia, United States, November 19, 2000
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sasitharan Balasubramaniam et al.:** *Bio-inspired Policy Based Management (bioPBM) for Autonomic Bio-inspired Policy Based Management (bioPBM) for Autonomic*, 2006

- Authors: Sasitharan Balasubramaniam, Keara Barrett, William Donnelly, Sven van der Meer, John Strassner
- Published: Seventh IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY'06)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Keara Barrett et al.:** *Investigating the Applicability of Mobile IP and Cellular IP for Roaming in Smart Environments*, 2003

- Authors: Keara Barrett, Raymond Carroll, Sven van der Meer
- Published: IEI/IEE Irish Telecommunications Systems Research Symposium (ITSRS), May 2003
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Keara Barrett et al.:** *User-Centric Management of Ubiquitous Environments - Challenges & Initial Solutions*, 2004

- Authors: Keara Barrett, Ray Carroll, Venet Osmani, Sven van der Meer
- Published: 2nd International Workshop on Management of Ubiquitous Communications and Services (MUCS 2004), Dublin, Ireland, December 12-13, 2004
- Links: skb: [yaml](#), [adoc](#)

**Keara Barrett et al.:** *A Model Based Approach for Policy Tool Generation and Policy Analysis*, 2007

- Authors: Keara Barrett, Steven Davy, John Strassner, Brendan Jennings, Sven van der Meer, William Donnelly
- Reasons to read: tool support for syntactic and semantic translation between models can be achieved
- Published: 2007 First International Global Information Infrastructure Symposium, GIIS
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Keara Barrett et al.:** *Determining the Feasibility of Policy Translation*, 2007

- Authors: Keara Barrett, John Strassner, Sven van der Meer, William Donnelly
  - Reasons to read: policy translation is possible
  - Published: Second IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2007
  - Links: skb: [yaml](#), [adoc](#)
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**Zohra Boudjemil** et al.: *Language and open metamodel for e-business negotiations*, 2008

- Authors: Zohra Boudjemil, Trish Mulligan, Claire Fahy, Jason Finnegan, Shane Dempsey
- Published: 2008 2nd IEEE International Conference on Digital Ecosystems and Technologies (DEST)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Ray Carroll** et al.: *Policy and Profile: Enabling Self-knowledge for Autonomic Systems*, 2006

- Authors: Ray Carroll, John Strassner, Greg W. Cox, Sven van der Meer
- Published: International Workshop on Distributed Systems: Operations and Management, DSOM 2006: Large Scale Management of Distributed Systems pp 239-245
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 4269)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Ray Carroll** et al.: *Applying the P2P paradigm to management of large-scale distributed networks using a Model Driven Approach*, 2006

- Authors: Ray Carroll, Claire Fahy, Elyes Lehtihet, Sven van der Meer, Nektarios Georgalas, David Cleary
- Published: 2006 IEEE/IFIP Network Operations and Management Symposium NOMS 2006
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Ray Carroll** et al.: *A semantic integration framework for user information enabling personalised service discovery, configuration and deployment*, 2007

- Authors: Ray Carroll, Willie Donnelly, Sven van der Meer
- Published: 2007 First International Global Information Infrastructure Symposium, GIIS
  - Poster, GIIS Poster Proceedings
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Ray Carroll** et al.: *Semantic Integration of User Data - Models and Processes Enabling Seamless Mobility*, 2008

- Authors: Ray Carroll, Sven van der Meer
  - Published: 2008 32nd Annual IEEE International Computer Software and Applications Conference
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Steven Davy** et al.: *On the use of Policy Based Management for Pervasive m-Government Services*, 2005

- Authors: Steven Davy, Keara Barrett, Brendan Jennings, Sven van der Meer
- Published: 1st European Mobile Government Conference, Euro mGov, 2005
- Links: [Conference](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Steven Davy** et al.: *Policy-Based Architectures to Enable Autonomic Communications*, 2005

- Authors: Steven Davy, Keara Barrett, Sasitharan Balasubramaniam, Sven van der Meer, Brendan Jennings, John Strassner
- Published: Information Technology & Telecommunications annual Conference Cork, IT&T 2005
- Links: skb: [yaml](#), [adoc](#)

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**Steven Davy** et al.: *Policy-Based Architecture to enable Autonomic Communications - A Position Paper*, 2006

- Authors: Steven Davy, Keara Barrett, Sasitharan Balasubramaniam, Sven van der Meer, Brendan Jennings, John Strassner
- Published: CCNC 2006. 2006 3rd IEEE Consumer Communications and Networking Conference, 2006
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Steven Davy** et al.: *Policy Interactions and Management of Traffic Engineering Services Based on Ontologies*, 2007

- Authors: Steven Davy, Keara Barrett, Jamie Martin Serrano, John Strassner, Brendan Jennings, Sven van der Meer
- Published: 2007 Latin American Network Operations and Management Symposium
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Steven Davy** et al.: *Towards a Policy-based Autonomic Virtual Network to support Differentiated Security Services*, 2008

- Authors: Steven Davy, Claire Fahy, Leigh Griffin, Zohra Boudjemil, Andreas Berl, Andreas Fischer, Hermann de Meer, John Strassner
  - Published: 2008 International Conference on Telecommunications & Multimedia (TEMU)
  - Links: [Conference](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Steven Davy** et al.: *A Model Based Approach to Autonomic Management of Virtual Networks*, 2009

- Authors: Steven Davy, Claire Fahy, Zohra Boudjemil, Leigh Griffin, John Strassner
- Published: 2009 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2009
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Peter Deussen** et al.: *A Discussion on Fundamental Approaches for the Engineering of Autonomic Systems*, 2007

- Authors: Peter Deussen, Benoit Bruyere, Claire Fahy, Sven van der Meer, Maurice Israel, Edzard Hoefig, David Lewis, Declan O’Sullivan, Dominic Greenwood, Alessandro Bassi, Jacques Saraydaryan
- Published: Second IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2007
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Dominique Dudkowski** et al.: *A Model Based Approach to Autonomic Management of Virtual Networks*, 2009

- Authors: Dominique Dudkowski, Marcus Brunner, Giorgio Nunzi, Chiara Mingardi, Chris Foley, Miguel Ponce de Leon, Catalin Meirosu, Susanne Engberg
- Published: 2009 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2009
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Clair Fahy** et al.: *Towards an Information Model That Supports Service-Aware, Self-managing Virtual Resources*, 2008

- Authors: Clair Fahy, Steven Davy, Zohra Boudjemil, Sven van der Meer, Javier Rubio-Loyola, Joan Serrat, John Strassner, Andreas Berl, Hermann de Meer, Daniel F. Macedo
- Published: IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2008: Modelling Autonomic Communications Environments pp 102-107
- Part of the Lecture Notes in Computer Science book series (LNCS, volume 5276)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Cian Foley** et al.: *Instant Messaging as a Platform for the Realisation of a True Ubiquitous Computing Environment*, 2005

- Authors: Cian Foley, Barry Downes, Eamonn de Leastar, Sven van der Meer
- Published: 15th eChallenges Conf. (e-2005)
- Published in: Paul Cunningham, Miriam Cunningham (eds.): *Innovation and the Knowledge Economy: Issues, Applications, Case Studies*
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Samir Ghamri-Doudane** et al.: *Resources Discovery and Management Using Policies in Smart Spaces*, 2004

- Authors: Samir Ghamri-Doudane, Sven van der Meer, Robert O'Connor, Yacine Ghamri-Doudane, Nazim Agoulmine
- Published: 11th Workshop of the HP OpenView University Association (HP-OVUA 2004) , Jun 2004
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Brendan Jennings** et al.: *A Two Phase Rating Process for Dynamically Composed Services*, 2005

- Authors: Brendan Jennings, Paul Malone, Sven van der Meer
- Published: 12th Workshop of the HP OpenView University Association (HPOVUA2005)
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Brendan Jennings** et al.: *Challenges for Federated, Autonomic Network Management in the Future Internet*, 2009

- Authors: Brendan Jennings, Rob Brennan, Willie Donnelly, Simon N. Foley, Dave Lewis, Declan O'Sullivan, John Strassner, Sven van der Meer
- Published: 2009 IFIP/IEEE International Symposium on Integrated Network Management-Workshops
  - Workshop: 1st IFIP/IEEE International Workshop on Management of the Future Internet
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)



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**Elyes Lehtihet** et al.: *Initial Approach Toward Self-configuration and Self-optimization in IP Networks*, 2005

- Authors: Elyes Lehtihet, Hajer Derbel, Nazim Agoulmine, Yacine Ghamri-Doudane, Sven van der Meer
- Published: IFIP/IEEE International Conference on Management of Multimedia Networks and Services, MMNS 2005: Management of Multimedia Networks and Services pp 371-382
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 3754)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Joseph Mitola III**: *Cognitive Radio Policy Languages*, 2009

- Author: Joseph Mitola III
- Reasons to read: survey of policy languages, here cognitive radio
- Published: 2009 IEEE International Conference on Communications
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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**Teri Morris** et al.: *A Discussion on Policy-based Management using Context Mobility in Ad-Hoc Networking*, 2007

- Authors: Teri Morris, Sven van der Meer, Brendan Jennings
- Reasons to read: tool support for syntactic and semantic translation between models can be achieved
- Published: 2007 First International Global Information Infrastructure Symposium, GIIS
  - Workshop: 1st Alcatel-Lucent/Université d'Evry/Telenor Seamless Service MObility (SSMO) Workshop
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Robert O'Connor** et al.: *Present and future organisational models for wireless networks*, 2003

- Authors: Robert O'Connor, Sven van der Meer
- Published: ISICT '03 Proceedings of the 1st international symposium on Information and communication technologies, Pages 157-162
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Venet Osmani** et al.: *An architecture for User-centric Management of Intelligent Environments*, 2005

- Authors: Venet Osmani, Keara Barrett, Ray Carroll, Brendan Jennings, Sven van der Meer
  - Published: 28th Int'l Convention MIPRO Conf. on Intelligent Systems (CIS05)
  - Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Venet Osmani** et al.: *Context? Yes, but to whom?*, 2005

- Authors: Venet Osmani, Sven van der Meer
- Published: Mobile HCI
  - Workshop: International Workshop on Context in Mobile HCI
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Tan Phan** et al.: *A Survey of Policy-Based Management Approaches for Service Oriented Systems*, 2008

- Authors: Tan Phan, Jun Han, Jean-Guy Schneider, Tim Ebringer, Tony Rogers
- Reasons to read: survey of policy-based management approaches
- Published: 19th Australian Conference on Software Engineering (aswec 2008)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**David Raymer** et al.: *End-to-End Model Driven Policy Based Network Management*, 2006

- Authors: David Raymer, John C. Strassner, Elyes Lehtihet, Sven van der Meer
- Published: Seventh IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY'06)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**David Raymer** et al.: *From Autonomic Computing to Autonomic Networking: An Architectural Perspective*, 2008

- Authors: David Raymer, Sven van der Meer, John C. Strassner
- Published: Fifth IEEE Workshop on Engineering of Autonomic and Autonomous Systems (ease 2008)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Jens Schmutzler** et al.: *Dynamic Group Management as an Enhancement to emergency Healthcare using Policies*, 2008

- Authors: Jens Schmutzler, Christopher Foley, Stefan Michaelis, Sven van der Meer, Christian Wietfeld
  - Published: HealthCom 2008 - 10th International Conference on e-health Networking, Applications and Services
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Jaime Martín Serrano** et al.: *Ontology-Based Management for Context Integration in Pervasive Services Operations*, 2007

- Authors: Jaime Martín Serrano, Joan Serrat, Sven van der Meer, Mícheál Ó Foghlú
- Published: IFIP International Conference on Autonomous Infrastructure, Management and Security, AIMS 2007: Inter-Domain Management pp 35-48
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 4543)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Jaime Martín Serrano** et al.: *Trust and Reputation Policy-Based Mechanisms for Self-protection in Autonomic Communications*, 2009

- Authors: Jaime Martín Serrano, Sven van der Meer, John C. Strassner, Stefano De Paoli, Aphra Kerr, Cristiano Storni
- Published: International Conference on Autonomic and Trusted Computing, ATC 2009: Autonomic and Trusted Computing pp 249-267
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 5586)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Review of Knowledge Engineering Requirements for Semantic Reasoning in Autonomic Networks*, 2008

- Authors: John C. Strassner, Sven van der Meer, Mícheál Ó Foghlú, Willie Donnelly, Joan Serrat, Nazim Agoulmine
- Published: Asia-Pacific Network Operations and Management Symposium, APNOMS 2008: Challenges for Next Generation Network Operations and Service Management pp 146-155
- Part of: Lecture Notes in Computer Science book series (LNCS, volume 5297)
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Message from the MDDS 2008 Workshop Organizers*, 2008

- Authors: John C. Strassner, Sven van der Meer, Jing Zhang
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  - Workshop: MDDAS
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

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- Authors: John C. Strassner, Srini Samudrala, Greg W. Cox, Yan Liu, Michael Jiang, Jing Zhang, Sven van der Meer, Mícheál Ó Foghlú, Donnelly Donnelly
- Published: 2008 International Conference on Autonomic Computing (ICAC)
- Links: [DOI](#), [ResearchGate](#) skb: [yaml](#), [adoc](#)

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- Authors: John C. Strassner, Yan Liu, Michael Jiang, Jing Zhang, Sven van der Meer, Mícheál Ó Foghlú, Claire Fahy, Willie Donnelly
- Published: NOMS Workshops 2008 - IEEE Network Operations and Management Symposium Workshops
  - Workshop: MUCS 2008
- Links: [DOI](#), [ResearchGate](#) skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Semantic Mediation to enable Network and Service Management Interoperability in Future Internet Networks*, 2009

- Authors: John C. Strassner, Sven van der Meer, Brendan Jennings, Miguel Ponce de Leon
- Published: 19<sup>th</sup> eChallenges Conf. (e-2009)
- Awards: Best Paper Award
- Links: [ResearchGate](#) skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Autonomic Orchestration of Future Networks to Realize Prosumer Services*, 2009

- Authors: John C. Strassner, Sven van der Meer, Mícheál Ó Foghlú, Miguel Ponce de Leon, Willie Donnelly
  - Published: 2009 International Conference on Future Networks, ICFN
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- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: John C. Strassner, James Won-Ki Hong, Sven van der Meer
- Published: 2009 International Conference on Ultra Modern Telecommunications & Workshops (ICUMT)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: John C. Strassner, Sven van der Meer, James Won-Ki Hong
- Published: IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2009: Modelling Autonomic Communications Environments pp 15-28
- Part of the Lecture Notes in Computer Science book series (LNCS, volume 5844)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Stefan Arbanowski, Stephan Steglich
- Published: 5th IEEE Intelligent Network Workshop (IN 2000), Cape Town, South Africa, May 7-11, 2000
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- Authors: Sven van der Meer, Stefan Arbanowski
  - Published: 5th IEEE Conference on Protocols for Multimedia Systems (PROMS 2000), pp 461-477, Cracow, Poland, October 22-25, 2000
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- Part of: IFIP — The International Federation for Information Processing book series (IFIPAICT, volume 50), pp 583-595
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Published: 8th IEEE International Conference on Telecommunications (ICT 2001), special session, pp 425-444, Bucharest, Romania, June 4-7, 2001
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- Authors: Sven van der Meer, Stefan Arbanowski
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- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Brendan Jennings, Keara Barrett, Ray Carroll
- Published: 1st International Workshop on Management of Ubiquitous Communications and Services (MUCS 2003), Waterford, Ireland, December 11, 2003
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Robert O'Connor, Alan Davy
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- Published: 14th eChallenges Conf. (e-2004), Vienna, Austria
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- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Brendan Jennings, Declan O’Sullivan, David Lewis, Nazim Agoulmine
- Published: 12th Workshop of the HP OpenView University Association (HPOVUA2005)
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer et al.: *Ontology Based Policy Mobility for Pervasive Computing*, 2005**

- Authors: Sven van der Meer, Declan O’Sullivan, David Lewis, Nazim Agoulmine
- Published: 2005 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2005
- Links: [Conference](#), [PDF: TCD](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Steven Davy, Alan Davy, Ray Carroll, Brendan Jennings, John C. Strassner
- Published: NOMS Workshops 2006 - IEEE Network Operations and Management Symposium Workshops
  - Workshop: 2006 1st IEEE International Workshop on Broadband Convergence Networks
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Willie Donnelly, John C. Strassner, Brendan Jennings, Mícheál Ó Foghlú
  - Reasons to read: policy translation is possible
  - Published: First IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2006
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- Author: Sven van der Meer
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- Links: skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, Joel J. Fleck II, Martin Huddleston, David Raymer, John C. Strassner, Willie Donnelly
- Published: Second IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2007
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- Authors: Sven van der Meer, Joel J. Fleck II
- Published: 15th Workshop of the HP Software University Association (HP-SUA 2008)
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Architectural Artefacts for Autonomic Distributed Systems- Contract Language*, 2009

- Author: Sven van der Meer
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- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, John C. Strassner, Patrick Phelan
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- Authors: Mike White, Brendan Jennings, Sven van der Meer
- Published: 7th International Conference on Enterprise Information Systems (ICEIS)
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- Authors: Mike White, Brendan Jennings, Sven van der Meer
- Published: The IEE International Workshop on Intelligent Environments, 2005 (Ref. No. 2005/11059)
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**Martin Zach** et al.: *CELTIC Initiative Project Madeira: A P2P Approach to Network Management*, 2005

- Authors: Martin Zach, Daryl Parker, Liam Fallon, Christian Unfried, Miguel Ponce de Leon, Sven van der Meer, Nektarios Georgalas, Johan Nielsen
- Published: EURESCOM Summit 2005 - Ubiquitous Services and Applications, Heidelberg, Germany, April 27-29, 2005
- Links: [Conference](#), [Publisher](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Andrei Bondkovskii** et al.: *Qualitative Comparison of Open-Source SDN Controllers*, 201

- Authors: Andrei Bondkovskii, John Keeney, Sven van der Meer, Stefan Weber
- Published: 2016 IEEE/IFIP Network Operations and Management Symposium, NOMS 2016
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Zohra Boudjemil, Patrick Phelan, Miguel Ponce de Leon, Sven van der Meer
- Published: 2010 Fourth UKSim European Symposium on Computer Modeling and Simulation
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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  - Authors: Dawar, Enda Fallon, Tom Bennet, Sven van der Meer, John Keeney
  - 2013 1<sup>st</sup> International Conference on Artificial Intelligence, Modelling and Simulation, AIMS 2013
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Sumit Dawar** et al.: *Building a Scalable Event Processing System with Messaging and Policies - Test and Evaluation of RabbitMQ and Drools Expert*, 2013

- Authors: Sumit Dawar, Sven van der Meer, Enda Fallon, John Keeney, Tom Bennet
- Published: 12th Annual IT&T Conference At: Athlone, Ireland, 2013
- Links: [ResearchGate](#), [ITT 2013](#)    skb: [yaml](#), [adoc](#)

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- Authors: Dawar, Sven van der Meer, John Keeney, Enda Fallon, Tom Bennet
- Published: International Conference on Mobile Networks and Management, MONAMI 2013: Mobile Networks and Management, pp 94-107
  - Part of the Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering book series (LNICST, volume 125)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Liam Fallon, Sven van der Meer, John Keeney
- Published: 2016 IEEE/IFIP Network Operations and Management Symposium, NOMS 2016
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Liam Fallon** et al.: *Distributed Management Information Models*, 2017

- Authors: Liam Fallon, John Keeney, Sven van der Meer
  - Published: 2017 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2017
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**Liam Fallon** et al.: *Using the COMPA Autonomous Architecture for Mobile Network Security*, 2017

- Authors: Liam Fallon, John Keeney, Mark McFadden, John Quilty, Sven van der Meer
- Published: 2017 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2017
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**Eduard Grasa** et al.: *Simplifying Multi-layer Network Management with RINA*, 2016

- Authors: Eduard Grasa, Bernat Gaston, Sven van der Meer, Micheal Crotty, Miguel Angel Puente
- Published: 2016 TERENA Networking Conference (TNC) , 12-16 June 2016, Prague, Czech Republic
- Links: [TCN](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Eduard Grasa** et al.: *Open Multi-Access Edge Computing and Distributed Mobility Management with RINA*, 2017

- Authors: Eduard Grasa, Miguel Ponce de Leon, Sven van der Meer, Diego Lopez, Miquel Tarzan
- Published: 2017 IEEE Conference on Network Function Virtualization and Software Defined Networks (NFV-SDN)
- Links: [DOI](#), [Zenodo](#)    skb: [yaml](#), [adoc](#)

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**Eduard Grasa** et al.: *Mobility Management in RINA Networks: Experimental Validation of Architectural Properties*, 2018

- Authors: Eduard Grasa, Leonardo Bersio, Miquel Tarzan, Diego Lopez, Sven van der Meer, John Day, Lou Chitkushev
- Published: 2018 IEEE Wireless Communications and Networking Conference (WCNC)
- Links: [DOI](#), [Zenodo](#)    skb: [yaml](#), [adoc](#)

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**John Keeney** et al.: *A semantic Monitoring and Management Framework for End-to-End Services*, 2011

- Authors: John Keeney, Owen Conlan, Viliam Holub, Miao Wang, Laetitia Chapel, Martín Jamie Serrano, Sven van der Meer
  - Published: 12th IFIP/IEEE International Symposium on Integrated Network Management (IM 2011) and Workshops
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)
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**John Keeney** et al.: *A Recommender-System for Telecommunications Network Management Actions*, 2013

- Authors: John Keeney, Sven van der Meer, Gabriel Hogan
- Published: 2013 IFIP/IEEE International Symposium on Integrated Network Management (IM 2013)
- Links: [IEEE Xplore](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**John Keeney** et al.: *Towards Real-time Management of Virtualized Telecommunication Networks*, 2014

- Authors: John Keeney, Sven van der Meer, Liam Fallon
- Published: 10th International Conference on Network and Service Management (CNSM) and Workshop, 2014
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Steven Latré** et al.: *Ontological Generation of Filter Rules for Context Exchange in Autonomic Multimedia Networks*, 2010

- Authors: Steven Latré, Sven van der Meer, Filip De Turck, John Strassner, James Won-Ki Hong
- Published: 2010 IEEE/IFIP Network Operations and Management Symposium - NOMS 2010
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Joseph McNamara** et al.: *A Testbed For Policy Driven Closed Loop Network Management*, 2018

- Authors: Joseph McNamara, John Keeney, Liam Fallon, Sven van der Meer, Enda Fallon
- Published: 2018 IEEE/IFIP Network Operations and Management Symposium, NOMS 2018
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Patrick Phelan** et al.: *An Introduction to Network Stack Design using Software Design Patterns*, 2010

- Authors: Patrick Phelan, Zohra Boudjemil, Miguel Ponce de Leon, Sven van der Meer
- Published: IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2010
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Eamonn Power** et al.: *Architecture & Implementation of a Testbeds Repository*, 2010

- Authors: Eamonn Power, Zohra Boudjemil, Shane Fox
- Published: 2010 International Conference on Telecommunications & Multimedia (TEMU), July 2010, Chania, Crete, Greece
- Links: [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Annie Ibrahim Rana** et al.: *Autonomic Policy-based HAN Traffic Classification using Augmented Meta Model for Policy Translation*, 2011

- Authors: Annie Ibrahim Rana, Brendan Jennings, Mícheál Ó Foghlú, Sven van der Meer
- Published: 2011 Eighth International Conference on Wireless and Optical Communications Networks, WOCN 2011
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sebastian Robitzsch, Faisal Zaman, Zhiguo Qu, John Keeney, Sven van der Meer, Gabriel-Miro Muntean
- Published: 2015 IFIP/IEEE International Symposium on Integrated Network Management (IM)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Jamie Martín Serrano** et al.: *Federation, a Matter of Autonomic Management in the Future Internet*, 2010

- Authors: Jamie Martín Serrano, Sven van der Meer, Viliam Holub, John Murphy, John C. Strassner
- Published: 2010 IEEE/IFIP Network Operations and Management Symposium, NOMS 2010
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**John Strassner** et al.: *An Architecture for Using Metadata to Manage Ubiquitous Communications and Services: A Position Paper*, 2010

- Authors: John Strassner, Sung-Su Kim, Tom Pfeifer, Sven van der Meer
- Published: 2010 8th IEEE International Conference on Pervasive Computing and Communications Workshops (PERCOM Workshops)
  - Workshop: MUCS 2010, see [IEEE Xplore](#)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Dionysia Triantafyllopoulou** et al.: *Existing Policy Frameworks: An Overview*, 2013

- Authors: Dionysia Triantafyllopoulou, Adrian Kliks, Valentin Rakovic, Liljana Gavrilovska
  - Reasons to read: survey of policy frameworks
  - Published: ISWCS 2013; The Tenth International Symposium on Wireless Communication Systems, Cognitive Radio Advances, Applications and Future Emerging Technologies (CRAFT) Workshop
  - Links: [eXplore](#), [Surrey](#)    skb: [yaml](#), [adoc](#)
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**Sven van der Meer** et al.: *Managing Ubiquitous Networks — How do they do it?*, 2010

- Authors: Sven van der Meer, Brendan Jennings, John C. Strassner
- Published: 2010 Second International Conference on Ubiquitous and Future Networks (ICUFN)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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- Authors: Sven van der Meer, John Keeney, Liam Fallon
- Published: 2015 11th International Conference on Network and Service Management (CNSM)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer** et al.: *Taming Policy Complexity: Model to Execution*, 2018

- Authors: Sven van der Meer, John Keeney, Liam Fallon
- Published: 2018 IEEE/IFIP Network Operations and Management Symposium, NOMS 2018
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**Sven van der Meer** et al.: *5G Networks Must Be Autonomic!*, 2018

- Authors: Sven van der Meer, John Keeney, Liam Fallon
- Published: 2018 IEEE/IFIP Network Operations and Management Symposium, NOMS 2018
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer** et al.: *Demo: Adaptive Policy Execution (APEX)*, 2018

- Authors: Sven van der Meer, John Keeney, Liam Fallon, Joseph McNamara
- Published: 2018 IEEE/IFIP Network Operations and Management Symposium, NOMS 2018
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Zhenhui Yuan** et al.: *Context-aware heterogeneous network performance analysis: Test-bed development*, 2014

- Authors: Zhenhui Yuan, John Keeney, Sven van der Meer, Gabriel Hogan, Gabriel-Miro Muntean
- Published: 2014 IEEE International Conference on Pervasive Computing and Communication Workshops (PERCOM WORKSHOPS)
  - Workshop: MUCS 2014
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Faisal Zaman** et al.: *A heuristic correlation algorithm for data reduction through noise detection in stream-based communication management systems*, 2014

- Authors: Faisal Zaman, Sebastian Robitzsch, Zhuo Wu, John Keeney, Sven van der Meer, Gabriel-Miro Muntean
- Published: 2014 IEEE Network Operations and Management Symposium (NOMS)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

**Faisal Zaman** et al.: *i-MagNet: A real-time intelligent framework for finding specific needles from needle stacks*, 2015

- Authors: Faisal Zaman, Sebastian Robitzsch, Zhiguo Qu, John Keeney, Sven van der Meer, Gabriel-Miro Muntean
- Published: 2015 IFIP/IEEE International Symposium on Integrated Network Management (IM)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## Miscellaneous

**Alex McKenzie**: *Collection of Computer Networking Development Records*, 1972

- Author: Alex McKenzie
- written between 1972-1979
- see Charles Babbage Institute (CBI) collections
- Links: [CBI \(with identifier 123\)](#), [McKenzie Collection](#)    skb: [yaml](#), [adoc](#)

## Movies

### 1970

*Monty Python and the Holy Grail*, 1975

- Reasons to watch: deductive reasoning, experimental physics, for instance in this scene [youtube](#)
- Links: [Wikipedia](#), [TMDb](#), [IMDB](#)    skb: [yaml](#), [adoc](#)

*Animal House*, 1978

- Reasons to watch: the metaphor "turning the Faber Marching Band down that dead end alley", see this clip [Youtube](#)
- Links: [Wikipedia](#), [TMDb](#), [IMDB](#)    skb: [yaml](#), [adoc](#)

# 1990

*Rosencrantz and Guildenstern are Dead*, 1991

- Film by Tom Stoppard, based on the play by Tom Stoppard from 1966
- Reasons to watch:
  - scientific principles only work within a given set of bounds and Newtonian principles, e.g. in [Gravity Tennis Court scene](#) and [Newtonian Physics scene](#)
  - the problem with reductio ad absurdum is knowing when to stop, see also discussion on [WikiQoute](#)
- Links: [Wikipedia](#), [TMDb](#), [IMDB](#), [Full movie](#)    skb: [yaml](#), [adoc](#)

# Online

## 2000

**James L. Pelkey:** *Entrepreneurial Capitalism and Innovation: A History of Computer Communications, 1968-1988*, 2007

- Author: James L. Pelkey
- Reasons to read: many links to historic background, including people and important topics
- Publisher: online hypertext book, printed version expected in 2019
- Links: [Online](#)    skb: [yaml](#), [adoc](#)

## 2010

**James L. Pelkey:** *Entrepreneurial Capitalism and Innovation: A History of Computer Communications, 1968-1988*, 2007

- Author: James L. Pelkey
- Reasons to read: many links to historic background, including people and important topics
- Publisher: online hypertext book, printed version expected in 2019
- Links: [Online](#)    skb: [yaml](#), [adoc](#)

# Patent



## 2013

**John Keeney** et al.: *Method and System for Managing Actions implemented on a Network Element within a Telecommunications Network*, 2013

- Authors: John Keeney, Sven van der Meer, Gabriel Hogan
- Publication number: WO/2013/149870
- Publication date: 10.10.2013
- Links: [Wipo](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *Network Management using Adaptive Policy*, 2017

- Authors: Sven van der Meer, Liam Fallon, John Keeney
- Publication number: 20170250868
- Publication date: 31.08.2017
- Links: [Wipo](#)    skb: [yaml](#), [adoc](#)

**Prudhvi Dhandu** et al.: *Network Function Virtualisation*, 201

- Authors: Prudhvi Dhandu, Kandhasamy Narayanan Premnath, Sven van der Meer
- Publication number: 20180152347
- Publication date: 31.05.2018
- Links: [Wipo](#)    skb: [yaml](#), [adoc](#)

**Liam Fallon** et al.: *Method and Apparatus for distributed Network Management*, 2018

- Authors: Liam Fallon, John Keeney, Sven van der Meer
- Publication number: WO/2018/024348
- Publication date: 08.02.2018
- Links: [Wipo](#)    skb: [yaml](#), [adoc](#)

## Proceedings

## 2000

**Radu State** et al.: *Large Scale Management of Distributed Systems*, 2006

- Editors: Radu State, Sven van der Meer, Declan O’Sullivan, Tom Pfeifer
- Workshop: 17<sup>th</sup> IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2006), Dublin, Ireland, October 23-25, 2006
- Published: part of the Lecture Notes in Computer Science book series (LNCS, volume 4269)
- Publisher: Springer
- ISBN: 978-3-540-47659-7
- Links: [DOI](#)    skb: [yaml](#), [adoc](#)

2010

**Markus Hofmann** et al.: *12th International Conference on Information Technology and Telecommunication: Small Devices, Big Data, Real Challenges*, 2103

- Editors: Markus Hofmann, Enda Fallon
- Conference: 12<sup>th</sup> International Conference on Information Technology and Telecommunication 2013, IT&T 2013, Athlone, Ireland, May 9-10, 2013
- Links: skb: [yaml](#), [adoc](#)

## MACE

**William Donnelly** et al.: *Modelling Autonomic Communications Environments*, 2006

- Editors: William Donnelly, Radu Popescu-Zeletin, John C. Strassner, Brendan Jennings, Sven van der Meer
  - Workshop: First IEEE International Workshop on Modelling Autonomic Communications Environments (MACE), Dublin, Ireland, 25-26 October, 2006
  - Published: multicon lecture notes series, No. 2
  - Publisher: multicon verlag, Schöneiche bei Berlin
  - ISBN: ISBN-13: 978-3-930736-05-8, ISBN-10: 3-930736-05-5
  - Links: [Ernster](#), [Web: orig](#), [Web: html](#)    skb: [yaml](#), [adoc](#)
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**Brendan Jennings** et al.: *Modelling Autonomic Communications Environments*, 2007

- Editors: Brendan Jennings, Joan Serrat, John C. Strassner
- Workshop: Second IEEE International Workshop on Modelling Autonomic Communications Environments (MACE), San José, CA, USA, 29-30 October, 2007
- Published: multicon lecture notes series, No. 6
- Publisher: multicon verlag, Schöneiche bei Berlin
- ISBN: ISBN-13: 978-3-930736-09-6, ISBN-10: 3-930736-09-8
- Links: [Ernster](#), [Web: orig](#), [Web: html](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *Modelling Autonomic Communications Environments*, 2008

- Editors: Sven van der Meer, Mark Burgess, Spyros Denazis
- Workshop: Third IEEE International Workshop on Modelling Autonomic Communications Environments (MACE), Samos Island, Greece, 25-26 September, 2008
- Published: part of the Lecture Notes in Computer Science book series (LNCS, volume 5276)
- Publisher: Springer
- ISBN: 978-3-540-87354-9
- Links: [DOI](#), [Web: orig](#), [Web: html](#)    skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Modelling Autonomic Communications Environments*, 2009

- Editors: John C. Strassner, Yacine M. Ghamri-Doudane
- Workshop: Fourth IEEE International Workshop on Modelling Autonomic Communications Environments (MACE), Venice, Italy, 26-27 October, 2009
- Published: part of the Lecture Notes in Computer Science book series (LNCS, volume 5844)
- Publisher: Springer
- ISBN: 978-3-642-05005-3
- Links: [DOI](#), [Web: orig](#), [Web: html](#)    skb: [yaml](#), [adoc](#)

**Rob Brennan** et al.: *Modelling Autonomic Communications Environments*, 2010

- Editors: Rob Brennan, Joel Fleck II, Sven van der Meer
- Workshop: 5<sup>th</sup> IEEE International Workshop on Modelling Autonomic Communications Environments (MACE), Niagara Falls, Canada, 28 October, 2010
- Published: part of the Lecture Notes in Computer Science book series (LNCS, volume 6473)
- Publisher: Springer
- ISBN: 978-3-642-16835-2
- Links: [DOI](#), [Web: orig](#), [Web: html](#)    skb: [yaml](#), [adoc](#)

# MUCS

**Sven van der Meer** et al.: *Managing Ubiquitous Communications and Services*, 2003

- Editors: Sven van der Meer, Dave Lewis, Dirk Pesch
- Workshop: 1<sup>st</sup> International Workshop on Managing Ubiquitous Communications and Services (MUCS), Waterford, Ireland, 11 December, 2003
  - original name: 1<sup>st</sup> Open M-Zones Workshop
- Host: Waterford Institute of Technology
- Published as: M-Zones deliverable D 234.2
- Publisher: Waterford Institute of Technology, Telecommunication Software & Systems Group
- Links: skb: [yaml](#), [adoc](#)

**Vincent Wade** et al.: *Managing Ubiquitous Communications and Services*, 2004

- Editors: Vincent Wade, Dirk Pesch, Sven van der Meer
- Workshop: 2<sup>nd</sup> International Workshop on Managing Ubiquitous Communications and Services (MUCS), Dublin, Ireland, 13-14 December, 2004
- Host: Trinity College Dublin
- Published as: M-Zones deliverable D 234.4
- Publisher: Trinity College Dublin, Knowledge and Data Engineering Group (KDEG)
- Links: skb: [yaml](#), [adoc](#)

**Dirk Pesch** (ed): *Managing Ubiquitous Communications and Services*, 2006

- Editor: Dirk Pesch
- Workshop: 3<sup>rd</sup> International Workshop on Managing Ubiquitous Communications and Services (MUCS), Cork, Ireland, 4-5 May, 2006
- Host: Cork Institute of Technology, in cooperation with Pervasive 2006
- Published as: M-Zones deliverable
- Publisher: Cork Institute of Technology
- Links: [Web: orig](#)    skb: [yaml](#), [adoc](#)

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**Tom. Pfeifer** et al.: *Managing Ubiquitous Communications and Services*, 2007

- Editors: Tom. Pfeifer, John C. Strassner, Simon Dobson
- Workshop: 4th IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Munich, Germany, 25 May, 2007
- Host: IEEE IM 2007
- Published: multicon lecture notes 4
- Publisher: multicon verlag
- ISBN: ISBN-13: 978-3-930736-07-2, ISBN-10: 3-930736-07-1
- Links: [Ernster](#), [Web: orig](#)    skb: [yaml](#), [adoc](#)

**Vincent Wade** (ed): *Managing Ubiquitous Communications and Services*, 2008

- Editor: Vincent Wade
- Workshop: 5<sup>th</sup> International Workshop on Managing Ubiquitous Communications and Services (MUCS), Salvador Bahia, Brazil, 11 April, 2008
- Host: IEEE NOMS 2008
- Links: [Web: orig](#)    skb: [yaml](#), [adoc](#)

**Tom Pfeifer** et al.: *Managing Ubiquitous Communications and Services*, 2009

- Editors: Tom Pfeifer, Declan O'Sullivan, Sajal Das
  - Workshop: 6<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Barcelona, Spain, 15 June, 2009
  - Host: 6th International Conference on Autonomic Computing, ICAC 2009, June 15-19, 2009, Barcelona, Spain
  - Published: multicon lecture notes 10
  - Publisher: multicon verlag
  - ISBN: ISBN-13: 978-3-930736-13-3
  - Links: [ACM-DL](#), [Ernster](#), [Web: orig](#)    skb: [yaml](#), [adoc](#)
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**Declan O’Sullivan** et al.: *Managing Ubiquitous Communications and Services*, 2010

- Editors: Declan O’Sullivan, Tom Pfeifer, Burkhard Stiller
- Workshop: 7<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Mannheim, Germany, 29 March, 2010
- Host: IEEE PerCom 2010, March 29, 2010, Mannheim, Germany
- Published: multicon lecture notes 12
- Publisher: multicon verlag
- ISBN: 978-3-930736-15-7
- Links: [DOI](#), [Ernster](#), [Web: orig](#)    skb: [yaml](#), [adoc](#)

**Burkhard Stiller** et al.: *Managing Ubiquitous Communications and Services*, 2011

- Editors: Burkhard Stiller, Rob Brennan, Sven van der Meer, Tom Pfeifer
- Workshop: 8<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Seattle Washington, USA, 21 March, 2011
- Host: IEEE PerCom 2011, March 21, 2011, Seattle, WA, USA
- Published: multicon lecture notes 13
- Publisher: multicon verlag
- ISBN: 978-3-930736-16-4
- Links: [DOI](#), [Ernster](#), [Web: orig](#)    skb: [yaml](#), [adoc](#)

**Tom Pfeifer** et al.: *Managing Ubiquitous Communications and Services*, 2012

- Editors: Tom Pfeifer, Burkhard Stiller, Declan O’Sullivan
  - Workshop: 9<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Lugano, Switzerland, 19 March, 2012
  - Host: IEEE PerCom 2012 Lugano, Switzerland, 2012
  - Published: multicon lecture notes 15
  - Publisher: multicon verlag
  - ISBN: 978-3-930736-19-5
  - Links: [DOI](#), [Ernster](#), [Web: orig](#)    skb: [yaml](#), [adoc](#)
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**Dirk Pesch** et al.: *Managing Ubiquitous Communications and Services*, 2013

- Editors: Dirk Pesch, Korbinian Frank, Károly Farkas
- Workshop: 10<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Lugano, Switzerland, 19 March, 2013
- Host: IEEE PerCom 2013
- Published: multicon lecture notes 16
- Publisher: multicon verlag
- ISBN: 978-3-930736-20-1
- Links: [DOI](#), [Ernster](#)    skb: [yaml](#), [adoc](#)

**Dirk Pesch** et al.: *Managing Ubiquitous Communications and Services*, 2014

- Editors: Dirk Pesch, Mohan Kumar, Sajal Das
- Workshop: 11<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Budapest, Hungary, 28 March, 2014
- Host: IEEE PerCom 2014
- Published: multicon lecture notes 17
- Publisher: multicon verlag
- ISBN: 978-3-930736-21-8
- Links: [DOI](#), [Ernster](#)    skb: [yaml](#), [adoc](#)

**Nicolas Race** et al.: *Managing Ubiquitous Communications and Services*, 2015

- Editors: Nicolas Race, Christine Julien
  - Series Editors: Declan O'Sullivan, Burkhard Stiller, Tom Pfeifer, Dirk Pesch, Sajal Das, Sven van der Meer
  - Workshop: 126th6 IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Saint Louis, MO, USA, 23 March, 2015
  - Host: IEEE PerCom 2015
  - Published: multicon lecture notes 18
  - Publisher: multicon verlag
  - ISBN: 978-3-930736-22-5
  - Links: [DOI](#), [Ernster](#)    skb: [yaml](#), [adoc](#)
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- Editors: Elana Gaura, Eryk Dutkiewicz
- Series Editors: Declan O’Sullivan, Burkhard Stiller, Tom Pfeifer, Dirk Pesch, Sajal Das, Sven van der Meer
- Workshop: 13<sup>th</sup> IEEE International Workshop on Managing Ubiquitous Communications and Services (MUCS), Sydney, Australia, 18 March, 2016
- Host: IEEE PerCom 2016
- Links: [PDF](#), [Ernster](#)    skb: [yaml](#), [adoc](#)

# Reports

## Technical Report

### 1960

**Paul Baran:** *On Distributed Communications: I. Introduction to a Distributed Communications Network*, 1964

- Author: Paul Baran
- Reasons to read: radical new approach to telecommunications, basis for packet-switched networks, including hot-potato routing of data blocks, parallel work to (Daies 72)
- Published: Rand Corporation, Memorandum RM-3420-PR, August 1964
- Links: [PDF](#)    skb: [yaml](#), [adoc](#)

### 1970

**D. Elliott Bell et al.:** *Secure Computer Systems: Mathematical Foundations*, 1973

- Authors: D. Elliott Bell, Leonard J. LaPadula
  - Reasons to read: access control *rules* to govern system security, relation *W* provides rules of access *control* governing system security, rule helps system in any state to decide on request and move to next state
  - Published: MITRE Technical Report 2547, Volume I, March 1, 1973
  - Links: [PDF](#)    skb: [yaml](#), [adoc](#)
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**Louis Pouzin:** *Interconnection of Packet Switched Networks*, 1973

- Author: Louis Pouzin
- Reasons to read: first description of a CATENET, including gateway, as packet-switched network
- Published: October 1973, INWG #42, also as SCH 513.1
- Links: [IUWG page](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Louis Pouzin:** *A proposal for Interconnecting of Packet Switching Networks*, 1974

- Author: Louis Pouzin
- Reasons to read: next description of a CATENET, including gateway, as packet-switched network
- Published: March 1973, INWG #60, also as SCH 527
- Also published in: EuroCOMP 1974, The Auerbach Annual 1975
- Links: [PDF](#): [IIASA 1975 Discussion](#)    skb: [yaml](#), [adoc](#)

**Humberto R. Maturana:** *Biology of Cognition*, 1970

- Author: Humberto R. Maturana
- Reasons to read: tbd
- Published: Biological Computer Laboratory Research Report BCL 9.0. Urbana IL: University of Illinois, 1970
- Links: [PDF](#), [Online](#)    skb: [yaml](#), [adoc](#)

## 1980

**Richard W. Watson:** *Delta-T Protocol Specification*, 1981

- Author: Richard W. Watson
- Reasons to read: only 3 timers are needed, in the protocol, no local clocks and no clock synchronization required
- Published: Lawrence Livermore National Lab., CA (USA), UCID-19293
- Links: [OSTI](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## 2000

**Richard Bennett:** *Designed for Change: End-to-End Arguments, Internet Innovation, and the Net Neutrality Debate*, 2009

- Author: Richard Bennett
- Reasons to read: technical history of the Internet (including CYCLADES), reference for 1986 Internet crash, discussions on current Internet affairs (including RINA)
- Publisher: Information Technology & Innovation Foundation, ITIF, Washington DC
- Links: [ITIF](#), [PDF: talk](#)    skb: [yaml](#), [adoc](#)

## Project Report

### iPCSS

**Tom Pfeifer** (ed): *Design criteria and preliminary description of functionality*, 1995

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 0, 1995
- Links: skb: [yaml](#), [adoc](#)

**Tom Pfeifer** (ed): *State-of-the-Art analysis and preliminary iPCSS definition*, 1996

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 1, 1996
- Links: skb: [yaml](#), [adoc](#)

**Tom Pfeifer** (ed): *Early Implementations of Predefined Converter Chains and Service Gateways*, 1997

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 2, 1997
- Links: skb: [yaml](#), [adoc](#)

**Tom Pfeifer** (ed): *Resource Selection, CORBA Platforms, TINA migration*, 1997

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 3, 1997
- Links: skb: [yaml](#), [adoc](#)

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**Tom Pfeifer** (ed): *Computational Model and CORBA based implementations*, 1997

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 4, 1997
- Links: skb: [yaml](#), [adoc](#)

**Tom Pfeifer** (ed): *Final Specification, Implementation and Documentation*, 1998

- Editor: Tom Pfeifer
- Project Report: iPCSS - intelligent Personal Communication System - Deliverable 5, 1998
- Links: skb: [yaml](#), [adoc](#)

## AlbatrOSS

**Sven van der Meer** (ed): *AlbatrOSS Initial Architecture*, 2002

- Editor: Sven van der Meer
- Project Report: AlbatrOSS - IST FP5 Project IST-2001-34780, Deliverable D3 (WP3), October 3, 2002
- Links: skb: [yaml](#), [adoc](#)

## M-Zones

**Sven van der Meer** et al.: *M-Zones Programme Work Plan - Proposal for Restructuring*, 2003

- Authors: Sven van der Meer, Dirk Pesch, Dave Lewis
- Project Report: M-Zones - Managed Zones - Deliverable D0.0, May 16, 2003
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *M-Zones Programme Work Plan - Proposal for Restructuring*, 2004

- Authors: Sven van der Meer, Dirk Pesch, Dave Lewis
- Project Report: M-Zones - Managed Zones - Deliverable D0.1, September 9, 2004
- Links: skb: [yaml](#), [adoc](#)

**Declan O'Sullivan** (ed): *State of Art Surveys*, 2003

- Editor: Declan O'Sullivan
  - Project Report: M-Zones - Managed Zones - Deliverable D1.1, Release 2, May, 2003
  - Links: skb: [yaml](#), [adoc](#)
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**Declan O’Sullivan** (ed): *State of Art Surveys*, 2006

- Editor: Declan O’Sullivan
- Project Report: M-Zones - Managed Zones - Deliverable D1.2, February, 2006
- Links: skb: [yaml](#), [adoc](#)

**Dave Lewis**: *WP2 Report*, 2004

- Author: Dave Lewis
- Project Report: M-Zones - Managed Zones - Deliverable D2.3, September 14, 2004
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *Consolidated D 2.1, D3.1 & D 4.1*, 2003

- Editors: Sven van der Meer, Dirk Pesch, Dirk Lewis
- Project Report: M-Zones - Managed Zones - Consolidated Deliverable D 2.1, D3.1 & D 4.1, September, 2003
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** et al.: *1st International Workshop on Managing Ubiquitous Communications and Services (MUCS)*, 2003

- Editors: Sven van der Meer, Dirk Pesch, Dave Lewis
- Project Report: M-Zones - Managed Zones - Consolidated Deliverable D 2.2, D3.2 & D 4.2, December, 2003
- Links: skb: [yaml](#), [adoc](#)

**Vincent Wade** (ed): *2nd International Workshop on Managing Ubiquitous Communications and Services (MUCS)*, 2004

- Editor: Vincent Wade
- Project Report: M-Zones - Managed Zones - Consolidated Deliverable D 2.4, D3.4 & D 4.4, December 13/14, 2004
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer**: *Modelling and Design Report*, 2004

- Author: Sven van der Meer
- Project Report: M-Zones - Managed Zones - Deliverable D3.3, September 3, 2004
- Links: skb: [yaml](#), [adoc](#)

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**Dirk Pesch:** *WP4 Report*, 2005

- Author: Dirk Pesch
- Project Report: M-Zones - Managed Zones - Deliverable D4.3, January 1, 2005
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** (ed): *Evaluation and Dissemination Report*, 2005

- Editor: Sven van der Meer
- Authors: Sven van der Meer, Dave Lewis, Dirk Pesch, Brendan Jennings, Mícheál Ó Foghlú
- Project Report: M-Zones - Managed Zones - Deliverable D5.1, May 12, 2005
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** (ed): *Evaluation and Dissemination Report*, 2005

- Editor: Sven van der Meer
- Authors: Sven van der Meer, Dave Lewis, Dirk Pesch, Brendan Jennings, Mícheál Ó Foghlú, Kieran Delaney, Olivia Brickley, Ciaran Lynch, Tom Pfeifer, Fiona Mahon, Mícheál Crotty
- Project Report: M-Zones - Managed Zones - Deliverable D5.2, November 1, 2005
- Links: skb: [yaml](#), [adoc](#)

## P1855

**Bruno Dillenseger** et al.: *Strategy and Roadmap for Telcos in Autonomic Computing and Communications*, 2009

- Authors: Bruno Dillenseger, Sven van der Meer, Stein Svaet
- Project Report: Eurescom P1855 - D1, February, 2009
- Links: [Eurescom](#)    skb: [yaml](#), [adoc](#)

**Marc Lacoste** (ed): *The Operators' Vision on Technologies, Opportunities, Risks and Adoption Roadmap*, 2009

- Editor: Marc Lacoste
- Authors: Zwi Altman, Thierry Coupaye, Bruno Dillenseger, Marc Lacoste, Mikael Salaun, David O'Neil, Sven van der Meer, Stein Svaet
- Project Report: Eurescom P1855 - D2, February, 2009
- Links: [Eurescom](#)    skb: [yaml](#), [adoc](#)

## AMCNS

### **Sven van der Meer:** *AMCNS Annual Report Year 2, 2006*

- Author: Sven van der Meer
- Project Report: AMCNS - Autonomic Management of Communication Networks and Servicess - Annual Report Y2, November 11, 2006
- Links: skb: [yaml](#), [adoc](#)

### **Willie Donnelly et al.:** *AMCNS Integrated Site Visit Presentation, 2006*

- Authors: Willie Donnelly, John Strassner, Sven van der Meer, Brendan Jennings, Sasitharan Balasubramaniam, Dmitri Botvich, Mícheál Ó Foghlú
- Project Report: AMCNS - Autonomic Management of Communication Networks and Servicess - Site Visit, November 16, 2006
- Links: skb: [yaml](#), [adoc](#)

### **Sven van der Meer:** *AMCNS Annual Report Year 3, 2008*

- Author: Sven van der Meer
- Project Report: AMCNS - Autonomic Management of Communication Networks and Servicess - Annual Report Y3, February 2, 2008
- Links: skb: [yaml](#), [adoc](#)

### **Sven van der Meer:** *AMCNS Annual Report Year 4, 2009*

- Author: Sven van der Meer
- Project Report: AMCNS - Autonomic Management of Communication Networks and Servicess - Annual Report Y4, February, 2009
- Links: skb: [yaml](#), [adoc](#)

### **Sven van der Meer:** *AMCNS Final Report, 2010*

- Author: Sven van der Meer
- Project Report: AMCNS - Autonomic Management of Communication Networks and Servicess - Final Report, February 10, 2010
- Links: skb: [yaml](#), [adoc](#)

## FAME

**Sven van der Meer:** *FAME: Architectures, Models and Algorithms*, 2010

- Author: Sven van der Meer
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D2.1, March 5, 2010
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *FAME: Architectures, Models and Algorithms*, 2011

- Author: Sven van der Meer
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D2.2, March 21, 2011
- Links: skb: [yaml](#), [adoc](#)

**David Malone:** *FAME: Prototyping and Experimentation*, 2010

- Author: David Malone
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D3.1, September 30, 2010
- Links: skb: [yaml](#), [adoc](#)

**David Malone:** *FAME: Integrated Demonstrations*, 2011

- Author: David Malone
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D3.2, March 21, 2011
- Links: skb: [yaml](#), [adoc](#)

**John Murphy:** *FAME: Interim Scenario Evaluation*, 2010

- Author: John Murphy
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D4.1, October 6, 2010
- Links: skb: [yaml](#), [adoc](#)

**John Murphy:** *Integrated Evaluation Report*, 2011

- Author: John Murphy
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Deliverable D4.2, May 11, 2011
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *FAME: Annual Report Year 1, 2009*

- Author: Sven van der Meer
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Annual Report Y1, February 24, 2009
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *FAME: Annual Report Year 2, 2011*

- Author: Sven van der Meer
- Project Report: FAME - Federated, Autonomic Management of End-to-End Services - Annual Report Y2, February 18, 2011
- Links: skb: [yaml](#), [adoc](#)

## PRISTINE

**Sven van der Meer** (ed): *Draft Specification of common Elements of the Management Framework*, 2014

- Editor: Sven van der Meer
- Project Report: PRISTINE - Programmability In RINA for European supremacy of virTualised NETworks - Deliverable D5.1, June 28, 2014
- Links: [Pristine](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer** (ed): *Specification of the common Elements of the Management Framework*, 2014

- Editor: Sven van der Meer
- Authors: Sven van der Meer, Eduard Grasa, Bernat Gaston, Francesco Salvestrini, Micheal Crotty, Jason Barron, Marc Sune, Victor Alvarez, Sarah Haines, Miguel Angel Puente, Roberto Riggio
- Project Report: PRISTINE - Programmability In RINA for European supremacy of virTualised NETworks - Deliverable D5.2, December 30, 2014
- Links: [Pristine](#)    skb: [yaml](#), [adoc](#)



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**Micheal Crotty** (ed): *Proof of Concept of DIF Management System*, 2015

- Editor: Micheal Crotty
- Authors: Micheal Crotty, Jason Barron, Bernat Gaston, Vincenzo Maffione, Miguel Angel Puente, Marc Sune, Sven van der Meer
- Project Report: PRISTINE - Programmability In RINA for European supremacy of virTualised NETworks - Deliverable D5.3, April 30, 2015
- Links: [Pristine](#)    skb: [yaml](#), [adoc](#)

**Victor Alvarez** (ed): *Consolidated Network Management System*, 2015

- Editor: Victor Alvarez
- Authors: Victor Alvarez, Eduard Grasa, Bernat Gaston, Micheal Crotty, Miguel Ponce de Leon, Jason Barron, Roberto Riggio, Kewin Rausch, Javier Garcia, Juan Vallejo, Miguel Angel Puente, Hamid Asgari, Sven van der Meer
- Project Report: PRISTINE - Programmability In RINA for European supremacy of virTualised NETworks - Deliverable D5.4, June 30, 2016
- Links: [Pristine](#)    skb: [yaml](#), [adoc](#)

## ARCFIRE

**Eduard Grasa** (ed): *Converged Network operational Environment Analysis Report*, 2016

- Editor: Eduard Grasa
- Authors: Eduard Grasa, Leonardo Bergesio, Miquel Tarzan, Sven van der Meer, Diego Lopez
- Project Report: ARCFIRE - Large-scale RINA Experimentation on FIRE+ - Deliverable D2.1, August 29, 2016
- Links: [Arcfire](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer** (ed): *Converged Service Provider Network Design Report*, 2017

- Editor: Sven van der Meer
- Authors: Diego Lopez, Eduard Grasa, Leonardo Bergesio, Miquel Tarzan, Sven van der Meer, Liam Fallon, John Keeney
- Project Report: ARCFIRE - Large-scale RINA Experimentation on FIRE+ - Deliverable D2.2, May 5, 2017
- Links: [Arcfire](#)    skb: [yaml](#), [adoc](#)

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**Vincenzo Maffione** (ed): *Integrated Software ready for Experiments: RINA stack, Management System and Measurement Framework*, 2017

- Editor: Vincenzo Maffione
- Authors: Vincenzo Maffione, Gino Carrozzo, Nicola Ciulli, Marco Capitani, Eduard Grasa, Leonardo Bergesio, Miquel Tarzan, Dimitri Staessens, Sander Vrijders, Sven van der Meer
- Project Report: ARCFIRE - Large-scale RINA Experimentation on FIRE+ - Deliverable D3.1, June 30, 2017
- Links: [Arcfire](#)    skb: [yaml](#), [adoc](#)

**Dimitri Staessens** (ed): *Design of experimental Scenarios; Selection of Metrics and KPIs*, 2017

- Editor: Dimitri Staessens
- Authors: Dimitri Staessens, Sander Vrijders, Eduard Grasa, Leonardo Bergesio, Miquel Tarzan, Bernat Gaston, Sven van der Meer, John Keeney, Liam Fallon, Vincenzo Maffione, Gino Carrozzo, Diego Lopez, John Day
- Project Report: ARCFIRE - Large-scale RINA Experimentation on FIRE+ - Deliverable D4.3, May 5, 2017
- Links: [Arcfire](#)    skb: [yaml](#), [adoc](#)

## Standards

### TM Forum

**Sven van der Meer** (ed): *NGOSS Technological Neutral Architecture*, 2005

- Editor: Sven van der Meer
- Published: TM Forum, NGOSS Release 6.0, TNA Release 6.0, Document Version 5.6, 2005
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer** (ed): *NGOSS Technological Neutral Architecture*, 2006

- Editor: Sven van der Meer
- Published: TM Forum, NGOSS Release 6.0, TNA Release 6.3, Document Version 5.7, 2006
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer** (ed): *NGOSS Architecture Technology Neutral Specification - Contract Description: Business and System Views*, 2006

- Editor: Sven van der Meer
- Published: TM Forum, NGOSS Release 6.3, TNA Release 6.3, Document Version 5.1, 2006
- Links: skb: [yaml](#), [adoc](#)

## IETF

**Vint Cerf**: *The CATENET Model for Internetworking*, 1978

- Author: Vint Cerf
- Reasons to read: IETF/IEN version of CATENET
- Published: IETF IEN (Internet Experiment Note Index) #48, July 1978
- IETF RFC 2775 states on page 4 "[...] the catenet concept (a network of networks) was first described by Cerf in 1978 [IEN 48] following an earlier suggestion by Pouzin in 1974 [CATENET] [...]"
  - see [RFC 2775](#),
- Links: [TXT](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**John C. Strassner** et al.: *Generic Policy Information Model for simplified use of poLicy Abstractions (SUPA)*, 2017

- Authors: John C. Strassner, Joel Halpern, Sven van der Meer
- Published: IETF draft, version 3, May 2017
- Links: [IETF](#)    skb: [yaml](#), [adoc](#)

## Talks

### Keynotes

#### 2010

**Joel J. Fleck II**: *Future Internet Management: Surfing a new Wave*, 2012

- Presenter: Joel J. Fleck II
- Keynote: Fourth IEEE/IFIP International Workshop on Management of the Future Internet (ManFI 2012)
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Big Data, Cloud, HetNets, SDN ... all problems solved - And your lunch served, right?*, 2012

- Presenter: Sven van der Meer
- Keynote: 4<sup>th</sup> International Conference on Mobile Networks and Management, MONAMI 2012, Hamburg, Germany, September 23-26, 2012
- Links: [Conference](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *The what, where, and how of 5G Management*, 2018

- Presenter: Sven van der Meer
- Keynote: Third IFIP/IEEE International Workshop on Management of 5G Networks (5GMan 2018), Taipei, Taiwan, April 27, 2018
- Links: [Event](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *What do we actually manage in 5G? - And what is missing?*, 2018

- Presenter: Sven van der Meer
- Keynote: 2018 IEEE/IFIP Network Operations and Management Symposium (NOMS 2018), Taipei, Taiwan, April 23-27, 2018
- Links: [Event](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## Invited Talks

### 2000

**Stefan Arbanowski:** *Unified Messaging: How to integrate different Services*, 2000

- Presenter: Stefan Arbanowski
- Authors: Stefan Arbanowski, Sven van der Meer
- Invited Talk: DATACOM Akademie, Berlin, Germany, October 16-17, 2000
- Links: skb: [yaml](#), [adoc](#)

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**Ray Carroll:** *A Framework for Personal Information Management in Ubiquitous Computing*, 2004

- Presenter: Ray Carroll
- Authors: Ray Carroll, Willie Donnelly, Sven van der Meer
- Invited Talk: National Symposium of The Irish Research Council for Science, Engineering and Technology (IRCSET 2004), Dublin, Ireland, November 2, 2004
- Links: skb: [yaml](#), [adoc](#)

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*NGOSS Contracts (TMF053B) - Contract Architectural Specifications, 2006*

- Presenters: Joel J. Fleck II, Sven van der Meer
- Invited Talk: Team Action Week America 2006, Boston, MA, United States, July 16-20, 2006
- Links: skb: [yaml](#), [adoc](#)

*NGOSS Contract Fingerprints - A Tool for Identifying and Facilitating Re-Use of NGOSS Contracts, 2006*

- Presenters: Joel J. Fleck II, Sven van der Meer, Martin Huddleston
- Invited Talk: TeleManagement World Americas 2006, Dallas, TX, United States, December 4-7, 2006
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Management of Smart Spaces, 2004*

- Presenter: Sven van der Meer
- Invited Talk: Euronetlab Seminar, Paris, France, May 5, 2004
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Modelling Autonomic Network Management, 2006*

- Presenter: Sven van der Meer
- Invited Talk: Meeting of the Autonomic Communications Forum (ACF), Paris, France, September 28, 2006
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Architecture Expert's Group (AEG), 2008*

- Presenter: Sven van der Meer
- Invited Talk: Meeting of the Autonomic Communications Forum, Barcelona, Spain, May 12, 2008
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Architectural Artefacts for Distributed Systems - Using Contracts as the Unit of Interoperability, 2008*

- Presenter: Sven van der Meer
- Invited Talk: Meeting of the Autonomic Communications Forum, Samos Island, Greece, September 24, 2008
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *SFI SRC FAME - Overview and Scenarios*, 2009

- Presenter: Sven van der Meer
- Invited Talk: HP Virtual Workshop, April 27, 2009
- Links: skb: [yaml](#), [adoc](#)

## 2010

**Liam Fallon:** *State, Context, Adaptability, and Scale for Self-Learning Closed Loop Policies*, 2017

- Presenter: Liam Fallon
- Authors: Liam Fallon, Sven van der Meer, John Keeney
- Invited Talk: ONAP Beijing Release Developer Forum, Santa Clara, CA, USA, December 11-13, 2017
- Links: [Event](#), [PDF](#)    skb: [yaml](#), [adoc](#)

*Interactive Session providing Demonstrations of Tools and Prototypes for modeling and managing Federations*, 2011

- Presenters: Joel J. Fleck II, Kevin Feeney, Sven van der Meer
- Invited Talk: 1st IFIP/IEEE Workshop on Managing Federations and Cooperative Management (ManFed 2011), May 23, 2011
  - tools and demo session
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Building a DEN-ng Policy Infrastructure*, 2010

- Presenter: Sven van der Meer
- Invited Talk: FAME Industrial Day, Dublin, Ireland, April 29, 2010
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Building a DEN-ng Autonomic Management System - How do they do it?*, 2010

- Presenter: Sven van der Meer
- Invited Talk: WCU Seminar, POSTECH, Pohang, Korea, June 14, 2010
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Building a Policy Management Infrastructure for the Future internet - an Example*, 2011

- Presenter: Sven van der Meer
- Invited Talk: Third IEEE/IFIP International Workshop on Management of the Future Internet (ManFI 2011)
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Management of Ubiquitous Communication Services - Any progress yet?*, 2011

- Presenter: Sven van der Meer
- Invited Talk: 8<sup>th</sup> International Workshop on Managing Ubiquitous Communications and Services (MUCS 2011)
  - run as an "interrupted session"
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Building a DEN-ng Autonomic Management System - How do they do it?*, 2011

- Presenter: Sven van der Meer
- Invited Talk: iMinds / University of Gent, Ghent, Belgium, May 18, 2011
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *5G & Autonomic Networking - Challenges in closing the Loop*, 2015

- Presenter: Sven van der Meer
- Invited Talk: First IEEE International 5G Summit, Princeton University, New Jersey, NJ, USA, May 26, 2015
- Links: [Main](#), [Event](#), [PDF: Slides](#), [IEEE TV Recording](#), [ResearchGate](#)    skb: [yaml](#), [adoc](#)

## Panel

### 2000

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**Vincent Wade** (chair): *Can Ubiquitous Computing Environments be Trusted to Self-Managed?*, 2004

- Panelists: John Strassner, Sven van der Meer
  - Panel: 2nd International Workshop on Management of Ubiquitous Communications and Services (MUCS 2004), December 12-13, 2004
  - Links: skb: [yaml](#), [adoc](#)
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**Petre Dini** (chair): *Research Challenges in Network Management*, 2006

- Panelists: Olivier Festor, Sven van der Meer, Yacine Ghamri-Doudane, Lisandro Zambenedetti Granville, Jorge E. López de Vergara
- Panel: 17<sup>th</sup> IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2006), October 23-25, 2006
- My topic: *Policy and Profile: Enabling Self-knowledge for Autonomic Systems*
- Links: skb: [yaml](#), [adoc](#)

**Yacine Ghamri-Doudane** (chair): *Seamless Service Mobility Challenges and Solutions*, 2007

- Panelists: Yacine Ghamri-Doudane, Yann Gasté, Sven van der Meer, John Strassner
- Panel: 2007 First International Global Information Infrastructure Symposium, GIIS, Marrakech, Morocco
  - in workshop: 1st Alcatel-Lucent/Université d'Evry/Telenor Seamless Service MObility (SSMO) Workshop, July 2, 2007
- My topic: *A Discussion on Policy-based Management using Context Mobility in Ad-Hoc Networking*
- Links: skb: [yaml](#), [adoc](#)

## 2010

**Rolf Stadler** (chair): *Management of Big Data --- Big Data for Management*, 2013

- Panelists: Vasanth Bala, Marcus Brunner, Alex Clemm, Sven van der Meer
  - Panel: 2013 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2013
    - Chair: Rolf Stadler (KTH, Sweden)
    - Panelists: Vasanth Bala (IBM Research, USA), Marcus Brunner (Swisscom, Switzerland), Alex Clemm (Cisco Systems, USA), Sven van der Meer (Ericsson NM Lab, Ireland)
  - Links: skb: [yaml](#), [adoc](#)
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**Imen Grida ben Yahia** (chair): *On the Management of 5G Networks: New Challenges or Same Old Story?*, 2015

- Panelists: Nikos Anerousis, Alberto Leon-Garcia, Sven van der Meer
- Panel: 2015 IFIP/IEEE Symposium on Integrated Network and Service Management (IM 2015), Ottawa, Canada, May 14, 2015
  - Chair: Imen Grida ben Yahia (Orange, France)
  - Panelists: Nikos Anerousis (IBM, USA), Alberto Leon-Garcia (University of Toronto, Canada), Sven van der Meer (Ericsson, Ireland)
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

## Tutorial

### 1990

*Management of Broadband Networks I*, 1998

- Presenters: Stefan Covaci, Ingo Busse, Sven van der Meer
- Tutorial: NEC Europe Ltd., C&C Research Laboratory, Berlin, Germany, October 15-16, 1998
- Links: skb: [yaml](#), [adoc](#)

*Management of Broadband Networks II*, 1999

- Presenters: Stefan Covaci, Ingo Busse, Sven van der Meer, Stefan Arbanowski
- Tutorial: NEC Europe Ltd., C&C Research Laboratory, Berlin, Germany, May 27-28, 1999
- Links: skb: [yaml](#), [adoc](#)

*Management of Autonomous Decentralized Systems*, 1999

- Presenters: Sven van der Meer, Stefan Arbanowski
- Tutorial: Fourth International Symposium on Autonomous Decentralized Systems (ISADS), "Integration of Heterogeneous Systems", Tokyo, Japan, Mar 21-23, 1999
- Links: skb: [yaml](#), [adoc](#)

### 2000

*NGOSS Architecture (TMF053) - DIOA Specifications, 2006*

- Presenters: Joel J. Fleck II, Sven van der Meer
- Tutorial: Team Action Week, January 26, 2006
- Part of: Team Action Week Europe 2006, Lisbon, Portugal January 26 - February 3, 2006
- Links: skb: [yaml](#), [adoc](#)

*NGOSS Contracts (TMF053B) - LifeCycle and Fingerprint Specifications, 2006*

- Presenters: Joel J. Fleck II, Sven van der Meer
- Tutorial: TM Forum LifeCycle & Methodology Team Meeting, Waterford, Ireland, March 21-24, 2006
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligent Network Evolution, 2000*

- Presenter: Thomas Magedanz
- Half-day Tutorial: 5<sup>th</sup> IEEE Intelligent Network Workshop (IN 2000), Cape Town, South Africa, May 7-11, 2000
- Links: skb: [yaml](#), [adoc](#)

**John Strassner:** *Autonomic Networking - Theory and Practice, 2005*

- Presenter: John Strassner
- Tutorial: 2005 IFIP/IEEE Symposium on Integrated Network and Service Management (IM 2005), Nice, France, May 15-19, 2005
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

*Autonomics Systems and Networks: Theory and Practice, 2006*

- Presenters: John Strassner, Jeff Kephart
- Tutorial: 2006 IEEE/IFIP Network Operations and Management Symposium (NOMS 2006), Vancouver, Canada, April 3-7, 2006
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

**John Strassner:** *Autonomic Networking: Theory and Practice, 2008*

- Presenter: John Strassner
- Tutorial: 2008 IEEE/IFIP Network Operations and Management Symposium (NOMS 2008), Salvador, Brazil, April 7-11, 2008
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

- Presenters: Sven van der Meer, Stefan Arbanowski
- Tutorial: 5<sup>th</sup> IEEE Conference on Protocols for Multimedia Systems (PROMS 2000), Cracow, Poland, October 22-25, 2000
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *I-centric Communications, 2001*

- Presenter: Sven van der Meer
- Authors: Sven van der Meer, Stephan Steglich, Stefan Arbanowski
- Tutorial: 8<sup>th</sup> IEEE International Conference on Telecommunications (ICT 2001), Bucharest, Romania, June 4-7, 2001
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Introduction to DEN-ng for SFI SRC FAME, 2009*

- Presenter: Sven van der Meer
- Authors: John Strassner, Sven van der Meer
- Tutorial: FAME Architecture Workshop 1, Dublin, Ireland, May 26, 2009
- Links: skb: [yaml](#), [adoc](#)

## 2010

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*Taming Policy Complexity: From Theory to Execution, 2018*

- Presenters: Balaji Ethirajulu, Stephen Terrill, Sven van der Meer, Liam Fallon
- Ericsson Tutorial, March 27, 2018
- Part of: Linux Foundation Open Networking Summit North America 2018 (ONS), Los Angeles, CA, USA, March 26-29, 2018
  - Balaji Ethirajulu: *Welcome and a Glance in to Future Networks*, [Session](#) [PDF](#)
  - Stephen Terrill: *5G as an Innovation Platform, Use Cases, Technology Enablers and Implications*, [Session](#) [PDF](#)
  - Sven van der Meer: *Policy 2.0 - Using Theory and Design Patterns to Design and Build Immutable Policy Infrastructure for Automation*, [Session](#) [PDF](#)
  - Liam Fallon: *Demonstration of Adaptive Policy*, [Session](#)
- Links: [Event](#)    skb: [yaml](#), [adoc](#)

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**Joel Fleck II:** *Model Driven Semantic Management*, 2012

- Presenter: Joel Fleck II
- Tutorial: 2012 IEEE/IFIP Network Operations and Management Symposium (NOMS 2012), Maui, Hawaii, USA, April 16-20
- Date: April 16, 2018
- Links: [Conference](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Policy 2.0 - Using Theory and Design Patterns to design and build immutable Policy Infrastructure for Automation*, 2018

- Presenter: Sven van der Meer
- Ericsson Tutorial, Part II, March 27, 2018
- Part of: Linux Foundation Open Networking Summit North America 2018 (ONS), Los Angeles, CA, USA, March 26-29, 2018
- Links: [Event](#), [PDF](#)    skb: [yaml](#), [adoc](#), [BiBTeX](#), [Biblatex](#)

## Lecture Notes

### 1990

**Stefan Arbanowski:** *Dienstplattformen und Intelligente Mobile Agenten*, 1998

- Presenter: Stefan Arbanowski
- Lecture: Sommersemester 1998 (SS98), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Stefan Arbanowski:** *Dienstplattformen und Intelligente Mobile Agenten*, 1999

- Presenter: Stefan Arbanowski
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

*Breitbandnetzwerktechnologien*, 1998

- Presenters: Sven van der Meer, Stefan Arbanowski
  - Lecture: Sommersemester 1998 (SS98), Technical University Berlin
  - Links: skb: [yaml](#), [adoc](#)
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*Breitbandnetzwerktechnologien, 1999*

- Presenters: Sven van der Meer, Stefan Arbanowski
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

*Internet: Technology, Protocols and Services, 1997*

- Presenters: Georg Carle, Michael Smirnow, Adam Wolisz
- Lecture: Wintersemester 1997/98 (WS97/98), Technical University Berlin
  - based on lecture WS 1995/96 by Henning Schulzrinne
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligent Networks - Basics, Standards & Evolution, 1998*

- Presenter: Thomas Magedanz
- Lecture: Sommersemester 1998 (SS98), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligente Netze Kompaktkurs, 1999*

- Presenter: Thomas Magedanz
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

*Mobile Communications & Ubiquitous Computing, 199*

- Presenters: Stefan Arbanowski, Sven van der Meer, Thomas Magedanz, Lars Hagen, Dirk Elias
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Stephan Steglich:** *Betriebssysteme, 1999*

- Presenter: Stephan Steglich
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Management von Telekommunikationsdiensten*, 1998

- Presenter: Sven van der Meer
- Lecture: Sommersemester 1998 (SS98), Technical University Berlin
  - also known as: Management von verteilten Systemen (MvS)
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Management von Telekommunikationsdiensten*, 1999

- Presenter: Sven van der Meer
- Lecture: Sommersemester 1999 (SS99), Technical University Berlin
  - also known as: Management von verteilten Systemen (MvS)
- Links: skb: [yaml](#), [adoc](#)

## 2000

**Stefan Arbanowski:** *Dienstplattformen für verteilte Systeme*, 2000

- Presenter: Stefan Arbanowski
- Lecture: Sommersemester 2000 (SS00), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligente Netze Kompaktkurs*, 2000

- Presenter: Thomas Magedanz
- Lecture: Sommersemester 2000 (SS00), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligente Netze Kompaktkurs*, 2001

- Presenter: Thomas Magedanz
- Lecture: Sommersemester 2001 (SS01), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Thomas Magedanz:** *Intelligente Netze Kompaktkurs*, 2002

- Presenter: Thomas Magedanz
- Lecture: Sommersemester 2002 (SS02), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

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**Stephan Steglich:** *Betriebssysteme und mobile Endgeräte*, 2000

- Presenter: Stephan Steglich
- Lecture: Sommersemester 2000 (SS00), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

*UMTS Akademie*, 2001

- Presenters: Stefan Arbanowski, Stephan Steglich, Thomas Magedanz, Lars Hagen, Bernd Bochow, Jiri Kuthan, John Williams Floroiu
- Lecture: Sommersemester 2001 (SS01), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

*UMTS Akademie*, 2002

- Presenters: Stefan Arbanowski, Stephan Steglich, Thomas Magedanz, Olaf Kath
- Lecture: Sommersemester 2002 (SS02), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Management von verteilten Systemen*, 2000

- Presenter: Sven van der Meer
- Lecture: Sommersemester 2000 (SS00), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Management von verteilten Systemen*, 2001

- Presenter: Sven van der Meer
- Lecture: Sommersemester 2001 (SS01), Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Management von verteilten Systemen*, 2002

- Presenter: Sven van der Meer
- Lecture: Sommersemester 2002 (SS02). Technical University Berlin
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Communications Management*, 2006

- Presenter: Sven van der Meer
- Lecture: Module Communications Management, MSc in Computing, WIT, 2005/06 (January - May 2006)
  - with guest talks by Joel Fleck II (HP) and John Strassner (Motorola)
- Links: skb: [yaml](#), [adoc](#)

## Presentations

### 2000

**Sven van der Meer:** *DIY Guide to Presentations*, 2006

- Presenter: Sven van der Meer
- Presentation: TSSG Research Modules, Waterford, Ireland, July 10, 2006
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *The Area formerly known as Network Management*, 2007

- Presenter: Sven van der Meer
- Presentation: TSSG Basic Research Day, WIT, Waterford, Ireland, November 21, 2007
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Publications - A rough Introduction to the Publication Process*, 2007

- Presenter: Sven van der Meer
- Presentation: TSSG Research Modules, Waterford, Ireland, February 7, 2007
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *SFI PI Cluster Autonomic Management of Communications Networks and Services - Basic Research: current Results and Future Work*, 2008

- Presenter: Sven van der Meer
- Presentation: TSSG/CIM Autonomics Workshop, Waterford, Ireland, July 11, 2008
- Links: skb: [yaml](#), [adoc](#)



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**Sven van der Meer:** *Standard Defining Organisations*, 2008

- Presenter: Sven van der Meer
- Presentation: TSSG/CIM Autonomics Workshop, Waterford, Ireland, July 11, 2008
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Basic Research - Autonomics and beyond*, 2008

- Presenter: Sven van der Meer
- Presentation: TSSG Research Day, WIT, Waterford, Ireland, December 5, 2008
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Architectures and Models of Distributed Systems - Learn to read, understand, design them*, 2009

- Presenter: Sven van der Meer
- Presentation: TSSG Research Modules, Waterford, Ireland, December 5, 2009
- Links: skb: [yaml](#), [adoc](#)

## 2010

**Sven van der Meer:** *Autonomic Networks - Challenges in Closing the Loop*, 2015

- Presenter: Sven van der Meer
- Presentation: 2015 Ericsson R&D Summit, R&D Talks, Online, April 29, 2015
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *What about the Network? - How to manage multi-layer Networks*, 2016

- Presenter: Sven van der Meer
- Presentation: IEEE Software Defined Networks Initiative, 2nd Workshop on Mobile Edge Cloud, Telecom Italia Mobile, Future Centre, Venice, Italy, June 16, 2016
- Links: [Announcement](#), [Event](#), [Slideshare](#), [PDF](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *A-CORD (Analytics CORD)*, 2016

- Presenter: Sven van der Meer
  - Authors: Srikanth Vavilapalli, Sven van der Meer
  - Presentation: OP-NFV Summit 2016, Berlin, Germany, June 20-23, 2016
  - Links: [Event](#), [PDF \(original\)](#)    skb: [yaml](#), [adoc](#)
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**Sven van der Meer:** *Adaptive Policy*, 2016

- Presenter: Sven van der Meer
- Presentation: 2016 Ericsson Policy Summit (Day 1), Kista, Sweden, May 10-11, 2016
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *APEX Overview*, 2016

- Presenter: Sven van der Meer
- Presentation: 2016 Ericsson Policy Summit (Day 2), Kista, Sweden, May 10-11, 2016
- Links: skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Simplifying Multi-layer Network Management with RINA*, 2016

- Presenter: Sven van der Meer
- Presentation: Technology Day Ireland, Athlone, Ireland, 2016
- Links: [Event](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *What do we actually manage in 5G? - And what is missing?*, 2018

- Presenter: Sven van der Meer
- Presentation: LMI Primetime, Athlone, Ireland, May 29, 2018
  - Based on the NOMS 2018 keynote
- Links: [Event](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *5G Networks must be autonomic*, 2018

- Presenter: Sven van der Meer
- Presentation: 47<sup>th</sup> Meeting NMRG, co-located with IEEE NOMS 2018, Taipei, Taiwan, April 24, 2018
- Links: [Event](#), [Talk](#)    skb: [yaml](#), [adoc](#)

**Sven van der Meer:** *Documentation in APEX*, 2018

- Presenter: Sven van der Meer
- Authors: Sven van der Meer, Liam Fallon, John Keeney
- Presentation: ONAP, Policy Framework Project, Bi-Weekly Meeting, August 1, 2018
- Links: [Event](#)    skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *DMS – Distributed (or DIF) Management System*, 2018

- Presenter: Sven van der Meer
- Presentation: 5<sup>th</sup> RINA Workshop, Barcelona, Spain, May 22, 2018
- Links: [Announcement](#), [Event](#), [PDF](#)    skb: [yaml](#), [adoc](#)

## Thesis

## Habilitation

1990

**Thomas Magedanz:** *Intelligent Network Evolution*, 1999

- Author: Thomas Magedanz
- Thesis (habil): Habilitationsschrift, Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#), [adoc](#)

## PhD

1990

**Tom Pfeifer:** *Automatic Conversion of Communication Media*, 1999

- Author: Tom Pfeifer
- Doktorarbeit (PhD Thesis): Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#), [adoc](#)

**Aiko Pras:** *Network Management Architectures*, 1995

- Author: Aiko Pras
- Thesis (PhD): University of Twente, Enschede, The Netherlands
- Links: skb: [yaml](#), [adoc](#)

2000

**Keara Barret:** *A Framework for the Semantic Translation of Policy Language Concepts*, 2009

- Author: Keara Barret
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#), [adoc](#)

**Stephen Davy:** *Harnessing Information Models and Ontologies for Policy Conflict Analysis*, 2008

- Author: Stephen Davy
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#), [adoc](#)

**Roy Thomas Fielding:** *Architectural Styles and the Design of Network-based Software Architectures*, 2000

- Author: Roy Thomas Fielding
- Thesis (PhD): University of California, Irvine, USA
- Links: skb: [yaml](#), [adoc](#)

**Brendan Jennings:** *Network-oriented Load Control for SS.7/IN*, 2001

- Author: Brendan Jennings
- Thesis (PhD): Dublin City University (DCU), Dublin, Ireland
- Links: skb: [yaml](#), [adoc](#)

**Declan O'Sullivan:** *The OISIN framework: Ontology Interoperability in support of Semantic Interoperability*, 2006

- Author: Declan O'Sullivan
- Thesis (PhD): Trinity College Dublin (TCD), Dublin, Ireland
- Links: skb: [yaml](#), [adoc](#)

**John C. Strassner:** *Enabling Autonomic Network Management Decisions Using a Novel Semantic Representation and Reasoning Approach*, 2009

- Author: John C. Strassner
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#), [adoc](#)

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**Sven van der Meer:** *Middleware and Application Management Architecture*, 2002

- Author: Sven van der Meer
- Doktorarbeit (PhD Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Berlin, September 25, 2002
- Links: [DOI](#), [PDF: TU Berlin](#), [PDF: Semantic Scholar](#), [Ernster](#)    skb: [yaml](#), [adoc](#)

## 2010

**Amy de Buitléir:** *Data Mining Using Artificial Life with Popperian-level Intelligence*, 2017

- Author: Amy de Buitléir
- Thesis (PhD): Athlone Institute of Technology (AIT), Athlone, Ireland
- Links: skb: [yaml](#), [adoc](#)

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**Liam Fallon:** *Semantic-based Service Analysis and Optimization*, 2013

- Author: Liam Fallon
- Thesis (PhD): Trinity College Dublin (TCD), Dublin, Ireland
- Links: skb: [yaml](#), [adoc](#)

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**Korbinian Frank:** *Adaptive and Tractable Bayesian Context Inference for Resource Constrained Devices*, 2011

- Author: Korbinian Frank
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