

# 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 src](#)

## 1950

**Noam Chomsky:** *Three Models for the Description of Language*, 1956

- Author: Noam Chomsky
- Reasons to read: simple structural model for the English language, a natural language grammar
- Published: IRE Transactions on Information Theory (Volume: 2 , Issue: 3 , September 1956)
- Links: [DOI](#), [PDF](#)    skb: [yaml src](#)

**Noam Chomsky:** *On certain formal Properties of Grammars*, 1959

- Author: Noam Chomsky
- Reasons to read: the Chomsky hierarchy as a containment hierarchy of classes of formal grammars
- Published: Information and Control, Volume 2, Issue 2, June 1959, Pages 137-167
- Links: [DOI](#), [PDF](#), [Chomsky Hierarchy](#)    skb: [yaml src](#)

## 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 src](#)

## 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 src](#)

**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 src](#)

**John G. Fletcher et al.:** *Mechanisms for a reliable timer-based Protocol*, 1978

- Authors: John G. Fletcher, Richard W. Watson
- Reasons to read: original work on timer mechanisms for Delta-T (3 timers required without synchronizd clocks)
- Published: Volume 2, Issues 4–5, September–October 1978, Pages 271-290
  - Note: date in the DOI seems to be wrong in title
- Links: [DOI](#), [PDF](#)    skb: [yaml src](#)

**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 src](#)

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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 src](#)

**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 src](#)

**W. Wulf et al.:** *HYDRA: the Kernel of a Multiprocessor Operating System*, 1974

- Authors: W. Wulf, E. Cohen, W. Corwin, A. Jones, R. Levin, C. Pierson, F. Pollack
- 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: Communications of the ACM CACM, Volume 17 Issue 6, June 1974
- Links: [DOI](#), [PDF](#)    skb: [yaml src](#)

## 1980

**James F. Allen:** *Maintaining Knowledge about temporal Intervals*, 1983

- Author: James F. Allen
- Reasons to read: Allen Intervals for temporal calculations (temporal algebra)
- Published: Communications of the ACM CACM, Volume 26 Issue 11, Nov. 1983, Pages 832-843
- Links: [DOI](#), [PDF](#)    skb: [yaml src](#), [Biblatex](#)

**James F. Allen:** *Towards a General Theory of Action and Time*, 1984

- Author: James F. Allen
- Reasons to read: AI theory for action and time, including "no action"
- Published: Artificial Intelligence, Volume 23, Issue 2, July 1984, Pages 123-154
- Links: [DOI](#), [PDF](#)    skb: [yaml src](#)

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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: Computers and Standards, Volume 1, Issue 1, January 1982, Pages 35-48
- Links: [DOI](#)    skb: [yaml](#) [src](#)

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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](#) [src](#)

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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](#) [src](#)
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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 src](#)

**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 src](#)

**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, first paper "Mechanisms for a reliable timer-based protocol"
- Also published as IEN193
- Published: Computer Networks (1976), Volume 5, Issue 1, February 1981, Pages 47-56
- Links: [DOI](#), [PDF](#): [IEN193](#)    skb: [yaml src](#), [Biblatex](#)

## 1990

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

- Authors: Jonathan Moffett, Morris J. 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 src](#)



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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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

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**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 src](#)

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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 src](#)

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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 src](#)

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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, Dave Raymer, 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 src](#)

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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 src](#)
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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 src](#)

**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 src](#)

## 2010

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

- Authors: Rob Brennan, Kevin Chekov 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 src](#), [Biblatex](#)

**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 src](#)

**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 src](#)

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**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 src](#)

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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 src](#)

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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 src](#)

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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 src](#)

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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 src](#)
-

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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 src](#)

**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 src](#)

## 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 src](#)

### 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 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 src](#)

# 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 src](#)

**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 src](#)

# 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 src](#)

# 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 src](#)

# 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 src](#)

# 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](#), [WikiQoutes](#)    skb: [yaml src](#)

**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 src](#)

**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 src](#)

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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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

## 1980

**Brian Kernighan** et al.: *The C Programming Language*, 1988

- Authors: Brian Kernighan, Dennis Ritchie
- Reasons to read: the original C programming manual
- Publisher: Prentice-Hall
- Links: [Wikipedia](#), [Internet Archive](#)    skb: [yaml src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

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**Leslie Lamport:** *LaTeX: A Document Preparation System*, 1994

- Author: Leslie Lamport
- Reasons to read: the original LaTeX manual
- Publisher: Addison-Wesley Professional; 2 edition (July 10, 1994)
- Links: [Homepage](#)    skb: [yaml src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**Ronald Mak:** *Principles for Successful Enterprise Systems - 20 Lessons Learned from NASA's Mars Exploration Rover Mission*, 2006

- Author: Ronald Mak
- Reasons to read: (practical) middleware architect's point of view principles for software development
- Publisher: Wiley Publishing
- Links: [Goodreads](#), [PDF Presentation](#)    skb: [yaml src](#)

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**Terence Parr:** *The definitive ANTLR Reference - Building Domain-specific Languages*, 2007

- Author: Terence Parr
- Reasons to read: detailed guide on how to build parsers and compilers, effectively creating DSLs, using ANTLR
- Publisher: The Pragmatic Programmers
- Links: [PragProg](#)    skb: [yaml src](#)

**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 src](#)

**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 lead to selecting for "master craftsmen" to the almost complete exclusion of "seers."
- Publisher: Reed Business Information
- Links: [Wikipedia](#), [online](#)    skb: [yaml src](#)

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

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

## 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 src](#)

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**Peter H. Feiler** et al.: *Model-based Engineering with AADL - An Introduction to SAE Architecture and Design Language*, 2012

- Authors: Peter H. Feiler, David P. Gluch
- Reasons to read: language for model-based engineering
- Publisher: Addison-Wesley (SEI Series in Software Engineering)
- Links: [InformIT](#), [AADL Homepage](#), [Presentation 2010 PDF](#), [Presentation 2014 PDF](#)    skb: [yaml src](#)

**Martin Fowler**: *Domain Specific Languages*, 2010

- Author: Martin Fowler
- Reasons to read: set of patterns for DSLs, detailed, with lots of examples
- Publisher: Addison-Wesley (Signature Series)
- Links: [Homepage](#), [DSL Pattern Catalog](#), [DSL Guide](#)    skb: [yaml src](#)

**Kirk Knoernschild**: *Java Application Architecture - Modularity Patterns with Examples Using OSGi*, 2012

- Author: Kirk Knoernschild
- Reasons to read: think modular, with Java
- Publisher: Prentice Hall (Robert C. Martin Series)
- Links: [Homepage](#), [Goodreads](#)    skb: [yaml src](#)

**Terence Parr**: *Language Implementation Patterns*, 2010

- Author: Terence Parr
- Reasons to read: detailed guide on how to create your own domain-specific language and general programming languages
- Publisher: The Pragmatic Programmers
- Links: [PragProg](#)    skb: [yaml src](#)

**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 src](#)

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**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 src](#)

## 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 src](#)

## 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](#)    skb: [yaml src](#)

### 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: [yaml src](#)

## 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: [yaml src](#)

## 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 src](#)
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**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 src](#)

## 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 src](#)

**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: Serrano, Martín Jamie, 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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

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**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 src](#)

**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 src](#)

## 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 src](#)

**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](https://doi.org/10.1145/67544.66946)[DOI], [PDF](#)    skb: [yaml src](#)

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

- Authors: D.C. Robinson, Morris J. 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 src](#)

**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 src](#)

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

- Authors: Kevin Twidle, Morris J. 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 src](#)

**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 src](#)

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

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

## 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 src](#)

**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 src](#)

**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 src](#)
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**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**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, Willie Donnelly, Sven van der Meer, John C. Strassner
- Published: Seventh IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY'06)
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml src](#)

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

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

**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 src](#)

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

- Authors: Keara Barrett, Steven Davy, John C. Strassner, Brendan Jennings, Sven van der Meer, Willie 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 src](#)

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

- Authors: Keara Barrett, John C. Strassner, Sven van der Meer, Willie Donnelly
- Reasons to read: policy translation is possible
- Published: Second IEEE International Workshop on Modelling Autonomic Communications Environments, MACE 2007
- Links: skb: [yaml src](#)

**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 src](#)

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

- Authors: Ray Carroll, John C. 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 src](#)

**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 src](#)
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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 src](#)

**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 src](#)

**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 src](#)

**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 C. Strassner
- Published: Information Technology & Telecommunications annual Conference Cork, IT&T 2005
- Links: skb: [yaml src](#)

**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 C. Strassner
  - Published: CCNC 2006. 2006 3rd IEEE Consumer Communications and Networking Conference, 2006
  - Links: [DOI](#), [ResearchGate](#)    skb: [yaml src](#)
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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, Martín Jamie Serrano, John C. Strassner, Brendan Jennings, Sven van der Meer
- Published: 2007 Latin American Network Operations and Management Symposium
- Links: [DOI](#), [ResearchGate](#)    skb: [yaml src](#)

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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 C. Strassner
- Published: 2008 International Conference on Telecommunications & Multimedia (TEMU)
- Links: [Conference](#), [ResearchGate](#)    skb: [yaml src](#)

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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 C. Strassner
- Published: 2009 IFIP/IEEE Symposium on Integrated Network and Service Management (IM), IM 2009
- Links: [DOI](#)    skb: [yaml src](#)

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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, Dave 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 src](#)

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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 src](#)
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**Claire Fahy** et al.: *Towards an Information Model That Supports Service-Aware, Self-managing Virtual Resources*, 2008

- Authors: Claire Fahy, Steven Davy, Zohra Boudjemil, Sven van der Meer, Javier Rubio-Loyola, Joan Serrat, John C. 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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

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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 C. 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 src](#)

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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 src](#)

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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 src](#)

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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 src](#)

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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 src](#)

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

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- Authors: Jens Schmutzler, Chris Foley, Stefan Michaelis, Sven van der Meer, Christian Wietfeld
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- Authors: Martín Jamie 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
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- Authors: John C. Strassner, Sven van der Meer, Mícheál Ó Foghlú, Willie Donnelly, Joan Serrat, Nazim Agoulmine
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- Authors: Annie Ibrahim Rana, Brendan Jennings, Mícheál Ó Foghlú, Sven van der Meer
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- Authors: Sebastian Robitzsch, Faisal Zaman, Zhiguo Qu, John Keeney, Sven van der Meer, Gabriel-Miro Muntean
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- 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
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- 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)
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- 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)
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## 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 src](#)

## 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 src](#)

*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 src](#)

### 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 src](#)

## Online

## Continuous

**Gilbert Heulton:** *The Best of Dates, The Worst Of Dates*, 2002

- Author: Gilbert Heulton
- Reasons to read: history, standards, programming help for time and date
- Links: [Online](#)    skb: [yaml src](#), [Biblatex](#)

**Steffen Thorsen:** *Time and Date*, 1995

- Author: Steffen Thorsen
- Reasons to read: the ultimate website for time and date information, tools, and news
- Links: [Online](#)    skb: [yaml src](#), [Biblatex](#)

**Claus Tøndering:** *The Calendar FAQ*, 1996

- Author: Claus Tøndering
- Reasons to read: everything about calendars
- Links: [Online](#)    skb: [yaml src](#), [Biblatex](#)

## 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 src](#)

## 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 src](#)

## 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 src](#)

**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 src](#)

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**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 src](#)

**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 src](#)

# 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 src](#)

## 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 src](#)

# MACE

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

- Editors: Willie 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 src](#)

**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 src](#)

**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 src](#)

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

- Editors: John C. Strassner, Yacine 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 src](#)

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

- Editors: Rob Brennan, Joel J. 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 src](#)

## 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 src](#)

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**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)



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**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 src](#)

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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 src](#)

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**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 src](#)
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**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 src](#)

**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 src](#)

**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 src](#)
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**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: 126th 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 src](#)

**Elana Gaura** et al.: *Managing Ubiquitous Communications and Services*, 2016

- 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 src](#)

## Reports

## Whitepaper

### 2010

**AT&T:** *AT&T Vision Alignment Challenge Technology Survey - AT&T Domain 2.0 Vision White Paper*, 2013

- Author: AT&T
  - Reasons to read: vision to change an operator’s network and services towards cloud and virtualization
    - this whitepaper is the baseline for ECOMP, later ONAP
  - Published by AT&T, November 2013
  - Links: [PDF](#)    skb: [yaml src](#), [BiBTeX](#)
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**AT&T:** *ECOMP (Enhanced Control, Orchestration, Management & Policy) Architecture White Paper*, 2016

- Author: AT&T
- Reasons to read: architecture to change an operator's network and services towards cloud and virtualization
  - this whitepaper is based on Domain 2.0 and is the baseline for ONAP
- Published by AT&T, March 2016
- Links: [PDF](#)    skb: [yaml src](#), [BiBTeX](#)

## 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 src](#)

### 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 src](#)
-

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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 src](#)

**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 src](#)

**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 src](#)

## 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 src](#)

## 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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

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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](#) [src](#)

**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](#) [src](#)

## 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](#) [src](#)

## 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](#) [src](#)

**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](#) [src](#)

**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](#) [src](#)
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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 src](#)

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

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

**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)



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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 src](#)

**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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

## 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 Services - Annual Report Y2, November 11, 2006
- Links: skb: [yaml src](#)

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

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

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

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

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

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

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

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

## 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](#) [src](#)

**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](#) [src](#)

**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](#) [src](#)

**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](#) [src](#)

**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](#) [src](#)

**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](#) [src](#)

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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 src](#)

**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 src](#)

## 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 src](#)

**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, Mícheál 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 src](#)

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

- Editor: Mícheál Crotty
- Authors: Mícheál 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 src](#)

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

- Editor: Victor Alvarez
- Authors: Victor Alvarez, Eduard Grasa, Bernat Gaston, Mícheál 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 src](#)

## 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 src](#)

**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 src](#)

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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 src](#)

**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 src](#)

## Standards

### 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 src](#)

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**G. Klyne et al.:** *Date and Time on the Internet: Timestamps*, 2002

- Authors: G. Klyne, C. Newman
- Reasons to read: standard for date and time in the internet, as a restricted form (profile) of ISO 8601
- Published: IETF Standard, July 2002
- Links: [IETF](#)    skb: [yaml src](#), [Biblatex](#)

**P. Resnick:** *Internet Message Format*, 2008

- Author: P. Resnick
- Reasons to read: standard for time in internet messages, i.e. email
- Published: IETF Standard, October 2008
- Links: [IETF](#)    skb: [yaml src](#), [Biblatex](#)

**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 src](#)

## ISO

**ISO:** *Data elements and interchange formats - Information interchange - Representation of dates and times*, 2004

- Author: ISO
- Reasons to read: the standard for time specifications in a 24-hour time keeping system and dates using the Gregorian calendar
- Links: [ISO](#), [PDF](#), [ISO-8601-2 Draft, PDF](#), [Matchematics of ISO Calendar](#)    skb: [yaml src](#), [Biblatex](#)

## ITU

### ITU-R

**ITU:** *Standard-frequency and time-signal emissions*, 2002

- Author: ITU
- Reasons to read: standard for Coordinated Universal Time (UTC), normative for all ITU recommendations
- Links: [ITU](#)    skb: [yaml src](#), [Biblatex](#)

**ITU:** *Standard-frequency and time-signal emissions*, 2013

- Author: ITU
- Reasons to read: standard terminology for time in ITU recommendations
- Links: [ITU](#)    skb: [yaml src](#), [Biblatex](#)

## ITU-T

## 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 src](#)

**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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

# 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 src](#)

**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 src](#)

*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 src](#)

*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 src](#)

**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 src](#)

**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 src](#)

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**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 src](#)

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**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 src](#)

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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 src](#)

## 2010

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**Liam Fallon:** *State, Context, Adaptability, and Scale for Self-Learning Closed Loop Policiexs*, 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 src](#)

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

- Presenters: Joel J. Fleck II, Kevin Chekov 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 src](#)

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**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

# Panel

## 2000

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

- Panelists: John C. 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 src](#)

**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 src](#)

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

- Panelists: Yacine Ghamri-Doudane, Yann Gasté, Sven van der Meer, John C. 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 src](#)

## 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 src](#)

**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 src](#)

## 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 src](#)

*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 src](#)

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*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](#) [src](#)

## 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](#) [src](#)

*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](#) [src](#)

**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](#) [src](#)

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

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

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

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

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

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

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*Flexible Media and Content Adaptation for Communication Systems, 2000*

- 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 src](#)

**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 src](#)

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

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

## 2010



## *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 src](#)

## **Joel J. Fleck II:** *Model Driven Semantic Management, 2012*

- Presenter: Joel J. 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 src](#)

## **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 src](#), [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 src](#)

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

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

*Breitbandnetzwerktechnologien*, 1998

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

*Breitbandnetzwerktechnologien*, 1999

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

*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 src](#)

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

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

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

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

*Mobile Communications & Ubiquitous Computing*, 1999

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

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

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

**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 src](#)

**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 src](#)

## 2000

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

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

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

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

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

- Presenter: Thomas Magedanz
  - Lecture: Sommersemester 2001 (SS01), Technical University Berlin
  - Links: skb: [yaml src](#)
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**Thomas Magedanz:** *Intelligente Netze Kompaktkurs*, 2002

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

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

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

*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 src](#)

*UMTS Akademie*, 2002

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

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

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

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

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

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

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

## **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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

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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 src](#)

**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 src](#)

**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 src](#)

## 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 src](#)

**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 src](#)

**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 src](#)

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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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

**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 src](#)

**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
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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 src](#)

## Thesis

## Habilitation

1990

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

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

## 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 src](#)

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

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

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

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

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

- Author: Steven Davy
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
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**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
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**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](#) [src](#)

**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](#) [src](#)

**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
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- 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 src](#)

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

- Author: Liam Fallon
- Thesis (PhD): Trinity College Dublin (TCD), Dublin, Ireland
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**Korbinian Frank:** *Adaptive and Tractable Bayesian Context Inference for Resource Constrained Devices*, 2011

- Author: Korbinian Frank
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
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**Griffin Leigh:** *Managing the Formation and Interaction of Groups within Emerging Social Networks*, 2012

- Author: Griffin Leigh
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
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**Stijn Verstichel:** *Distributed Reasoning for Context-Aware Services*, 2011

- Author: Stijn Verstichel
  - Thesis (PhD): Department of Information Technology, iMinds, Ghent University, Ghent, Belgium
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**Vladimír Veselý:** *A new Dawn of Naming, Addressing and Routing on the Internet*, 2015

- Author: Vladimír Veselý
- Thesis (PhD): Brno University of Technology, Brno, Czech Republic
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**Lei Xu:** *Automating the Generation, Deployment and Application of Charging Schemes for Composed Communications Services*, 2010

- Author: Lei Xu
- Thesis (PhD): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

## M.Sc. / Diplom

1990

**Stefan Arbanowski:** *Generic Description of Telecommunication Services and Dynamic Resource Selection in Intelligent Communication Environments*, 1996

- Author: Stefan Arbanowski
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Andreas Dannert:** *Call Logic Service for a Personal Communication supporting System*, 1998

- Author: Andreas Dannert
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Stefan Franz:** *Job and Stream Control in Heterogeneous Hardware and Software Architectures*, 1998

- Author: Stefan Franz
  - Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Frank Gadegast:** *TCP/IP-basierte Dienste zur Speicherung von Multimedia-Daten*, 1995

- Author: Frank Gadegast
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Jens Hünérberg:** *Evaluating Object Oriented Databases for a Location Aware Application Platform*, 1999

- Author: Jens Hünérberg
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Stephan Steglich:** *Management of Distributed Objects in Middleware Platforms*, 1998

- Author: Stephan Steglich
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Sven van der Meer:** *Dynamic Configuration Management of the Equipment in Distributed Communication Environments*, 1996

- Author: Sven van der Meer
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
  - Berlin, Germany, October 6, 1996
- Links: skb: [yaml](#) [src](#)

**Markus Zell:** *Selection of Converter Chains by Means of Quality of Service Analysis*, 1998

- Author: Markus Zell
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

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**Ulla Becker:** *An Approach for Quality Assurance Management in decentralised Software Engineering Environments in context of Small and Medium-Sized Enterprises*, 2005

- Author: Ulla Becker
- Diplomarbeit (M.Sc. Thesis), Fachhochschule Karlsruhe, Karlsruhe, Germany
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**Stipe Bozinovic-Mador:** *Distributed Parlay Resource API based on CT Media*, 2001

- Author: Stipe Bozinovic-Mador
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Darach Cawley:** *Development of Smart Services for Smart Spaces*, 2004

- Author: Darach Cawley
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

**Ie Cu:** *Bridging HAVi stack and 1394 devices: the Implementation of the Windows Driver Model*, 2002

- Author: Ie Cu
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Manuela-Ionelia Dini:** *Temporal-Oriented Policy-Driven Network Management*, 2000

- Author: Manuela-Ionelia Dini
- Thesis (master): McGill University, Montreal, Canada
- Links: skb: [yaml](#) [src](#)

**Simon Dutkowski:** *Design Patterns for Distributed Communication Systems*, 2000

- Author: Simon Dutkowski
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Michael Fahner:** *Information Visualization for Distributed Systems*, 2002

- Author: Michael Fahner
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Martin Feeney:** *Autonomic Management of Ubiquitous Computing Environments*, 2006

- Author: Martin Feeney
  - Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
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**Wolfram Fritzs***ch*: *Integrated Management of Distributed Components*, 2001

- Author: Wolfram Fritzs
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Philipp Hün***erberg*: *Internet-Mikrofon - Entwicklung eines Smart-IP Systems zur Audio Erfassung und Übertragung*, 2002

- Author: Philipp Hün
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Lars Karow**: *Internet Weather Report - the users perspective*, 2000

- Author: Lars Karow
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Alexandros Machias**: *Design und Implementierung einer mehrsprachigen Datenbankmanagement-Applikation zur dezentralen Datenpflege*, 2001

- Author: Alexandros Machias
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Elie Mbedi**: *A CORBA-based Approach to access distributed SQL-databases*, 2000

- Author: Elie Mbedi
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

**Teri Morris**: *Policy based Management Using Context Mobility in Ad-hoc Networking*, 2006

- Author: Teri Morris
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
- Links: skb: [yaml](#) [src](#)

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**Hong Mu:** *Entwicklung seines Testkonzeptes für die Beurteilung der Skalierbarkeit von J2EE-basierten Applicationservern*, 2001

- Author: Hong Mu
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Aaron Nsang:** *Entwurf und Implementierung eines HL7-XML Gateways zum Ex- und Import von Daten einer elektronischen Patientenakte*, 2002

- Author: Aaron Nsang
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Robert O'Connor:** *An Investigation into Management Functionality for Ubiquitous Computing Environments*, 2004

- Author: Robert O'Connor
- Thesis (M.Sc.): Waterford Institute of Technology (WIT), Waterford, Ireland
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**Syed Raza:** *Auswertung von Log-Informationen der PLATIN-Plattform über Web-Klienten*, 2002

- Author: Syed Raza
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

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**Jan Riedinger:** *Design of a Generic Media Gateway for IP Telephony*, 2002

- Author: Jan Riedinger
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

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**Robert Sander:** *Deploying Distributed Object Data to Remote Clients using structured Languages*, 2000

- Author: Robert Sander
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

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**Jochen Schönfeld:** *Entwicklung und Erprobung eines selbstkonfigurierenden Netzes von Smart-IP Geräten*, 2002

- Author: Jochen Schönfeld
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Mario Schuster:** *An Open Service Platform for Context and Location Aware Applications*, 2001

- Author: Mario Schuster
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
- Links: skb: [yaml](#) [src](#)

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**Mandeep Singh:** *Integrated Management Services for Directory, Naming, and Specification of Distributed Components*, 2001

- Author: Mandeep Singh
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Alexander Sparkowsky:** *Mobilitäts- und Nachrichtendienste für drahtlos vernetzte aktive Namensschilder*, 2002

- Author: Alexander Sparkowsky
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Jörn von Kattchée:** *Design und Implementierung einer CORBA/SOAP-Bridge*, 2002

- Author: Jörn von Kattchée
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Giscard Wépiwé:** *Design and Implementation of a Routing Mechanism for a Wireless Ad Hoc Network*, 2002

- Author: Giscard Wépiwé
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**Ming Yin:** *Design and Implementation of an ORB-based DPE Platform for Active Network Nodes*, 2002

- Author: Ming Yin
- Diplomarbeit (M.Sc. Thesis), Technical University Berlin (TUB), Berlin, Germany
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**John Boyd:** *Destruction and Creation*, 1976

- Author: John Boyd
- Reasons to read: rational of the OODA loop
- Links: [Jerz](#), [PDF](#)    skb: [yaml src](#)

**John Boyd:** *Patterns of Conflict*, 1976

- Author: John Boyd
- Reasons to read: military use of OODA loop
- Links: [Wikipedia](#), [PDF: original](#), [PDF: Edited](#)    skb: [yaml src](#)

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**John Boyd:** *The Essence of Winning and Losing*, 1986

- Author: John Boyd
- Reasons to read: OODA loop
- Links: [PDF](#), [Discussion](#)    skb: [yaml src](#)

**John Boyd:** *Organic Design for Command and Control*, 1987

- Author: John Boyd
- Reasons to read: military use of OODA loop
- Links: [PDF](#)    skb: [yaml src](#)

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**Nicodemos C. Damianou** et al.: *A Survey of Policy Specification Approaches*, 2002

- Authors: Nicodemos C. Damianou, Arosha K. Bandara, Morris J. Sloman, Emil C. Lupu
- Reasons to read: survey of policy specification approaches / languages
- Published: Imperial College, London, Tech. Rep., 2002. [Online]
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