# Curriculum Vitæ


## Gauthier PICARD

Directeur de Recherche / Senior Research Scientist, PhD, Hab.

Applied Artificial Intelligence and Distributed Optimization

Information processing and systems Department (DTIS)
Intelligent Systems and Decision Unit (SYD)
ONERA, The French Aerospace Lab
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[Updated on June 14, 2023]

## Education

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|---|---|---|
| *2014* | **Habilitation à diriger les recherches (HDR) in Computer Science** | (UJM, France) |
| | — Adaptive multiagent systems: engineering and problem solving | |
| *2004* | **PhD in Computer Science** | (IRIT, Toulouse III, France) |
| | — Multiagent-oriented methodology | |
| *2001* | **DEA in Artificial Intelligence** (equivalent to MSc) | (IRIT, Toulouse III, France) |
| | — with honours (Ranking: 2nd), obtain PhD thesis funding on merit | |
| | — Master thesis on collective robotics | |
| *2000* | **Maîtrise et Licence in Computer Science** (equivalent to BSc) | (Toulouse III, France) |
| | — with honours (first 5%), obtain Master thesis funding on merit | |
| *1998* | **DEUG in Mathematics and Computer Science** (2-year university degree) | (Pau, France) |
| *1995* | **Baccalauréat in Maths & Physics** (secondary school diploma) | (Clermont-Fd, France) |

## Work Experience & Positions

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|---|---|
| *from 2022* | **Directeur de Recherche / Senior Research Scientist** at Intelligent Systems and Decision Unit (SYD), Information processing and systems Department (DTIS) of ONERA (Office national d'études et de recherches aérospatiales), Toulouse, France |
| *2020-2022* | **Research Scientist** at Intelligent Systems and Decision Unit (SYD), Information processing and systems Department (DTIS) of ONERA (Office national d'études et de recherches aérospatiales), Toulouse, France |
| *from 2018* | **Full Professor** (in long-term leave) at Computer Science and Intelligent Systems Department, Henri Fayol Institute of the École Nationale Supérieure des Mines de Saint-Etienne (ENSM.SE), France |
| *2018-2020* | **Visiting Researcher** at IRIT (Institute of Research in Computer Science of Toulouse), France |
| *2015-2020* | **Researcher** in the Multi-Agent and Services project, of the Connected Intelligence team, Laboratoire Hubert Curien UMR CNRS 5516, France |
| | — *Research topics*: Artificial intelligence, Multi-agent systems, self-organization, constraint satisfaction and optimization, smart grids, intelligent transport systems |
| | — *Research projects*: ANR ETHICAA, ITEA2 SEAS |

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| ***2007-2018*** | **Associate Professor** (*Maître-Assistant des Ecoles des Mines*) at Computer Science and Intelligent Systems Department, Henri Fayol Institute of the École Nationale Supérieure des Mines de Saint-Etienne (ENSM.SE), France<br>— *Educational topics*: Object-oriented programming with Java, Object-oriented Analysis and Design with UML, Artificial Intelligence, Logics<br>— *Research topics*: Artificial intelligence, multi-agent systems, self-organization, constraint satisfaction and optimization, robotics, smart grids, intelligent transport systems<br>— *Research projects*: ANR ETHICAA, ITEA2 SEAS, ANR ID4CS, CMIRA-RRA MAOP, ISLE-RRA WI<br>— *Supervision*: 5 PhD students, 5 master students, 1 Postdoc student |
| ***2006-2007*** | **Research and european relations engineer** at IRIT (Institute of Research in Computer Science of Toulouse), France<br>— *Responsabilities*: european projects arrangement & management, european relations<br>— *Research topics*: Multi-agent systems, self-organization, constraint satisfaction and optimization, robotics |
| ***2004-2006*** | Attaché temporaire d'enseignement et recherche (equivalent to **assistant lecturer**) at the University Paul Sabatier of Toulouse, France<br>— *Educational topics*: Multi-agent systems, parallelism (C, JAVA), operating systems (UNIX, Linux and Windows), software engineering (Rational Rose, Eclipse), imperative and functional programming (CAML), artificial intelligence (CAML)<br>— *Research topics*: Multi-agent systems, self-organization, constraint satisfaction and optimization, robotics<br>— Partnership with ONERA (G. Verfaillie) – co-supervision of MS Student on frequency assignment<br>— *Research projects*: RNTL ADELFE<br>— *Supervision*: 1 master student |
| ***2001-2004*** | Moniteur et Allocataire de Recherche (**PhD student** national funding due to merit) at the University Paul Sabatier of Toulouse, France<br>— *Educational topics*: same as above<br>— *Research topics*: Multi-agent systems, self-organization, agent-oriented software engineering<br>— *Developments* and modelling: distributed time tabling solver (french national project ADELFE), collective robotics simulation platform, ADELFE platform, OpenTool enhancement to agent-oriented design<br>— *Modelling* of an aeronautical mechanical design tool (european project SYNAMEC)<br>— UML enhancement to multiagent-oriented design<br>— *Partnership* with TNI-Valiosys |

## COURSE PROGRAM RESPOSABILITIES

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| ***2019-2020*** | **Artificial Intelligence (160h)** (Master 1,2)<br>http://www.emse.fr/~picard/cours/ai/ |
| ***2017-2020*** | **Distributed and mobile computing (25h)** (Master 1,2) |
| ***2016-2020*** | **Master Program on Cyber-Physical and Social Systems (CPS2)** (Master 1,2)<br>http://www.emse.fr/~picard/cours/cps2/ |
| ***2016-2020*** | **Multi-Agent Coordination (25h)** (Master 1,2) |
| ***2016-2018*** | **Internet-of-Things 40h)** (Master 2)<br>http://www.emse.fr/~picard/cours/iot/ |
| ***2014-2018*** | **Artificial Intelligence (80h)** (Master 1)<br>http://www.emse.fr/~picard/cours/ai/ |
| ***Since 2014*** | **Introduction to Formal Logics** (Licence 3) |
| ***2014-2016*** | **Ambient Computing** (Master 2)<br>http://www.emse.fr/~picard/cours/ac/ |

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| *2010-2014* | **Information System Development** (Master 1)<br>http://www.emse.fr/~picard/cours/2A/devsi/ |
| *2008-2014* | **Object-oriented Programming** (Licence 3)<br>http://www.emse.fr/~picard/cours/1A/java/ |
| *2008-2014* | **ICT Project Management** (Master 1)<br>http://www.emse.fr/~picard/cours/2A/svn-trac/<br>http://www.emse.fr/~picard/cours/2A/gp/ |
| *2011-2012* | **Introduction to Artificial Intelligence** (Licence 3)<br>http://www.emse.fr/~picard/cours/1A/IA/ |

## TEACHING DUTIES

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| *2021+* | **Distributed Constraint Processing (8h)** (Master 2)<br>https://www.gauthier-picard.info/files/lecture-DCSP-2021.pdf |
| *2021+* | **Linear Programming and Integer Linear Programming** (Licence 3, Master 1)<br>https://www.isae-supaero.fr/en/ |
| *2021+* | **Computational complexity (2h)** (Master 1)<br>https://www.isae-supaero.fr/en/ |
| *2021+* | **Optimization for Space System Design and Operations (20h)** (Master 1)<br>https://www.isae-supaero.fr/en/ |
| *2014-2020* | **1e année *"Ingénieur Civil des Mines"* (L3)**<br>— Introduction à l'informatique (langage C), Introduction à la logique formelle, Programmation orientée objet (Java)<br>**2e année *"Ingénieur Civil des Mines"* (M1)**<br>— Intelligence artificielle<br>**3e année *"Ingénieur Civil des Mines"* (M1)**<br>— Informatique ambiante (Android), Introduction aux smart grids, Projets industriels, Projets recherche<br>**Master *Web Intelligence* (M2)**<br>— Système multiagents, Résolution et optimisation multiagents (Jason) |
| *2007-2014* | **1e année *"Ingénieur Civil des Mines"* (L3)**<br>— Introduction à l'informatique, langages et concepts de programmation (langage C), systèmes d'information (MySQL, OpenOffice), Langages et concepts de programmation orientée objet (Java) |
| *2007-2014* | **2e année *"Ingénieur Civil des Mines"* (M1)**<br>— Analyse et conception (UML), Gestion de projets informatiques, Développement de systèmes informatiques (Postgres, J2E, Django, Rails, Android)<br>**3e année *"Ingénieur Civil des Mines"* (M2) et Master *Web Intelligence***<br>— Système multiagents, Auto-organisation (NetLogo), Résolution et optimisation multiagents (Jason) |
| *2010-2011* | ***École d'été EASSS et échange ERASMUS à Bucharest***<br>— Tutoriel sur l'auto-organisation dans les systèmes multiagents |
| *2007-2011* | ***Mastère Spécialisé en Génie Logiciel***<br>— Analyse et conception (UML), J2EE, Projet de développement informatique |
| *2001-2006* | **Master (M1) en informatique de l'Université de Toulouse**<br>— Intelligence artificielle (CAML), Programmation avancée Java, Programmation parallèle (C, Java), Analyse et conception (UML, Rationale Rose), Robotique collective<br>**Licence (L1, L2) en sciences de l'Université de Toulouse**<br>— Systèmes d'exploitation (UNIX), Introduction à l'informatique, Introduction à la programmation (Turbo Pascal), Programmation fonctionnelle (CAML), Traitement de texte (OpenOffice)<br>**IUP (M1) en Technologies et méthodologie du médical**<br>— Intelligence artificielle (systèmes experts, apprentissage) |

## Professional Activities & Services

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| ***Publications*** | http://gauthier-picard.info/#publications |
| ***Supervision*** | 7 supervised and defended PhDs, 3 supervised Postdocs, 8 supervised and defended Master students |
| ***Chair*** | Program Chair (OptLearnMAS'21, JFSMA'18, SASO'16, AIPower'16, ESAW'09, ESAW'08), Tutorial Chair (PFIA'19), Workshop Chair (SASO'15), Doctoral Consortium Chair (SASO'14), Steering Committee (ESAW), Session Chair (IICAI'07, ROADEF'11), Demo Chair (WI-IAT'11), Organisation Chair (SASO'12) |
| ***PC member*** | OptLearnMAS'23, PAAMS'23, IJCAI'23, ECAI'23, JFSMA'23, AAMAS'23, AAMAS'23 Blue Sky Ideas, DARS'22, OptLearnMAS'22, ACSOS'22, EPIA'22, PAAMS'22, EXTRAAMAS'22, IJCAI-ECAI'22, The WebConf'22, AAMAS'22, AAAI'22, ACSOS'21, PAAMS'21, EXTRAAMAS'21, OptLearnMAS'21, AAMAS'21, IJCAI'21, AAAI'21, The WebConf'20, AAMAS'20, AAAI'20, ECAI'20, ICSOS'20, IJCAI'20, EPIA'19, PAAMS'19, EXTRAAMAS'19, CP'19, SASO'19, OPTMAS'19, JFSMA'19, AAMAS'19, AAAI'19, ICAART'19, IJCAI'19, AAMAS'18, AAAI'18, ICAART'18, WWW'18 Demo Track, SmartIoT@AAAI'18, AISGSB@AAAI'18, IJCAI-ECAI'18, ICCS'18, CP'18, OPTMAS'18, IJCAI'17, OPTMAS'17, SASO'17, JFSMA'17, PRIMA'17, SASOˆST'17, MAS&'16, IBERAMIA'16, OPTMAS'16, AAMAS'15, ISMIS'15, JFSMA'15, MAS&S'15, SASO'15, AHPC'14, AMSTA'14, AAMAS'14, MAS&S'14, ICRA'13, IJCAI'13, JFSMA'13, JFSMA'12, SASO'12, AOSE'12, MAS&S'12, PAAMS'12, AOSE'11, BADS'11, IDETC'11, IICAI'11, SASO'11, AAMAS'10, BADS'10, AOSE'10, SASO'10, WIVE'10, BADS'09, SARC'09, IICAI'09, IAMA'09, SASO'09 (posters), SARC'08, IICAI'07, RJCIA'07, EUMAS'05, ESAW'04, EUMAS'04 |
| ***Reviewer*** | Journal of Artificial Intelligence Research (JAIR), Annals of Mathematics and Artificial Intelligence (AMAI), Computational Intelligence (COIN), Autonomous Agents and Multi-Agent Systems Journal (JAAMAS), Journal of Control, Future Generation Computer Systems Journal (FGCS), International Journal of Agent-Oriented Software Engineering (IJAOSE), ACM Transactions on Autonomous and Adaptive Systems (TAAS), Revue d'Intelligence Artificielle (RIA), Simulation Modelling Practice and Theory Journal (SIMPAT), Web Intelligence An International Journal (WIC), International Journal of Production Research (IJPR), COIN@AAMAS'08, AAMAS'05, AAMAS'08, COIN@AAMAS'08, AOMP'08, APSLA'08, SBIA'08, RFIA'08, AOSE'09, ISA'09, ICRA'10, WI-IAT'11, AAAI'12 |
| ***Organization*** | JFSMA'15, SASO'12, WI-IAT'11, EASSS'10, MALLOW'10, WI'09 Web Intelligence Summer School, ESAW'09, ESAW'08, JFSMA'07, ESAW'04 |

## Research Projects

*Domains*: Artificial intelligence (multiagent systems, reasoning, self-organisation), distributed problem solving and optimization, multiagent engineering and programming
*Applications*: Satellite constellations, Unmanned Air Traffic Management, Collective Robotics, Autonomous Vehicle Fleets, Ambient Intelligence, Internet-of-Things, Machine-to-Machine, Smart Grids, Multidisciplinary Design,

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| ***2022-2025*** | ***DOMINO-E*** [Horizon Europe]<br>Earth Observation Multi-mission Federation Layer, coordinated by Airbus Defence and Space<br>— *Funding: 340k€*<br>— *Consortium: Airbus Defence and Space, Cap Gemini, ITTI, OIKOPLUS, ONERA, TILDE, VVA*<br>— *Role: PI on Mulit-Agent Resource Allocation* |
| ***2020-2023*** | ***LiChIE*** [BPI PSPC]<br>LION Chaine Image Elargie, coordinated by Airbus Defence and Space |

***2020*** | ***HyperAgent*** [France-Switzerland ANR]
The HyperAgents project aims to enable the deployment of world-wide hybrid communities of people and autonomous agents on the Web.

— *Funding: 239k€*
— *Consortium: Mines Saint-Etienne, INRIA, University of St Gallen*
— *Role: expertise in Distributed AI and Multiagent Systems*

***2016-2019*** | ***Collectiveware*** [Spanish Ministerio de Economia y Competitividad]
This project targets novel technologies that empower human collectives to operate micro-grids to achieve sustainable energy management by supporting their self-awareness, cooperation, and self-governance.

— *Collaborator and funder: IIIA-CSIC*

***2014-2017*** | ***ETHICAA*** [French ANR]
The objectives of the eThicAa project is twofold: (i) definition of what should be a moral autonomous agent and a system of moral autonomous agents, and (ii) definition and resolution of ethical conflicts that could occur 1) inside one moral agent, 2) between one moral agent and the (moral) rules of the system it belongs to, 3) between one moral agent and a human operator or user, 4) between several artificial (moral) agents including or not human agents. Ethical conflicts are characterized by the fact that there is no "good" way to solve them. Nevertheless when a decision must be made it should be an informed decision based on an assessment of the arguments and values at stake. When several agents are involved this may result in one agent taking over the (decision or action) authority from the others.

— *Funding: 244 561 €*
— *Consortium: GREYC, Onera, LIP6, Télécom Ecole de Management, Ardans*
— *Model and implementation of collective ethical mechanisms*
— https://ethicaa.greyc.fr

***2013-2015*** | ***Smart Energy Aware Systems*** **(SEAS)** [European ITEA2]
The objective of the SEAS project is to enable interoperability of systems producing energy, ICT and automation systems in consumption sites. It also aims to introduce solutions based on dynamic technologies to control and track the estimated energy consumption. A second goal is to explore business models and solutions that allow energy market players to integrate microgrid metworks and reactive customers, in particular intelligent decentralized systems (application ambient intelligence and smart cities).

— *Funding: 89 493 €*
— *Cooperation between 6 countries (Finland, France, Portugal, Romania, Spain, Turkey)*
— *Ontology for Smart Grids ; privacy in Smart Grids ; automatic negotiation*
— http://www.itea2.org/project/index/view?project=10156

***2010-2012*** | ***Multi-Agent Oriented Programming*** **(MAOP)** (CMIRA-RRA funded project)
The objective of the project "Multi-Agent Oriented Programming" Project funded by the Région Rhône Alpes CMIRA 2010, is to work on Multi-Agent Oriented Programming as a paradigm for building complex software systems, in particular smart/intelligent decentralized systems.

— *Supervision of a Master Student from "Politehnica" University of Bucharest (ERASMUS)*
— *Cooperation with DEIS, Alma Mater Studiorum Universita di Bologna*
— *Ambient Intelligence scenario description and prototype*
— http://iscod.emse.fr/maop/

***2009-2013*** | ***ID4CS*** (ANR-funded French national project)
ID4CS is an ANR (French national research agency) funded project having the ambition to propose a modeling and simulation environment for designing complex systems such as aircrafts.

— *Co-supervision of PhD student with University of Florida (multi-disciplinary optimization)*
— *Cooperation with IRIT, Airbus, IMT, ICA, Upetec*
— *Coordinator of the agent modeling work package*
— http://www.irit.fr/id4cs

***2008-2012*** | ***Web Intelligence*** (ISLE Cluster-RRA funded project)
The overall objective is to consolidate and structure the scientific community in Rhône-Alpes and synergy of cooperation on the topic of Web Intelligence.
- — *Participation to the "Future Web" work package*
- — *Organisation and demo chair of WI-IAT 2011*
- — http://www.web-intelligence-rhone-alpes.org/

***2001-2004*** | ***ADELFE*** (RNTL-funded French national project)
The aim of the ADELFE toolkit is to guide you during the development of adaptive multi-agent systems (AMAS). ADELFE is now a known agent-oriented methodology and has been published in two state-of-the-art books on agent-oriented software engineering.
- — *ADELFE is one of the most renown agent-oriented methodology*
- — *Development of AdelfeToolkit to help designers to follow the ADELFE process*
- — http://www.irit.fr/ADELFE/

## CONTRACTS

***2010-2013*** | Orange Labs
- — *Funding: 24000€*
- — *Contract within the SensCity FUI project*

***2015-2018*** | Orange Labs
- — *Funding: 30000€*
- — *Contract within the Open Home Infrastructure project*

***2016*** | Renault Innovations
- — *Funding: 30000€*
- — *Contract to develop taxi swarms*

## COOPERATIONS

***National*** | Université de Toulouse (IRIT, ICA, IMT), Université de Lille (LIFL), ENGIE, ONERA, Orange Labs, Upetec, Airbus, SNECMA

***International*** | University of Florida (US), Universita di Bologna (IT), "Politehnica" University of Bucharest (RO), Federal University of Santa Catarina (BR), Artificial Intelligence Research Institute IIIA-CSIC (ES)

## SUPERVISION

***Defended PhD*** |
A. DAOUD (PhD EMSE, 2018-2022): *"Decentralized On-Demand Resource Allocation for Autonomous Vehicle Fleets"*, supervised by G. Picard [33%], F. Balbo [33%] and P. Gianessi [33%]
P. RUST (PhD Orange Labs, 2015-2018): *"Spontaneous coordination of connected objects in the Internet of Things"*, supervised by G. Picard [50%] and F. Ramparany [50%]
S. GILLANI (PhD UJM, 2013-2016): *"Context-aware negotiation in a distributed environment of independent power prosumers"*, supervised by Prof. F. Laforest [50%], G. Picard [50%]
A. SORICI (Joint PhD UPB-EMSE, 2011-2015): *"Multi-Agent Context Management for Support of Ambient Computing Applications"*, supervised by Prof. A. Florea (UPB) [25%], Prof. O. Boissier [25%], G. Picard [50%]
C. PERSSON (PhD ANRT CIFRE Orange Labs/EMSE, 2009-2014): *"Agile governance in M2M networks"*, defended on 31 october 2014, supervised by Prof. O. Boissier [25%], G. Picard [45%], F. Ramparany [30%]
R. YAICH (PhD EMSE, 2009-2013): *"Adaptation and evolution of trust policies within virtual communities"*, defended on 29 october 2013, supervised by Prof. O. Boissier [25%], P. Jaillon [30%], G. Picard [45%]

D. Villanueva (Joint PhD UF-EMSE, 2010-2013): *"Uncertainty propagation in multi-agent and multi-disciplinary optimisation"*, defended on 13 may 2013, supervised by DR CNRS R. Le Riche [33%], Prof. R. Haftka (UF) [33%], G. Picard [33%]

***Masters*** V. Guillet (MSc Aerospace Control and Operations, TU Delft, 2023): *"Consensus-Based Approaches for Hybrid Task Assignment with Bid Intercessions "*
R. Barrault (Master Recherche Opérationnelle, ENSTA, 2023): *"Méthodes de résolution de problèmes de tournées multi-véhicules avec fenêtres de temps et coûts dépendants du temps pour la gestion de constellations de satellites"*
J. El Haouari (Master Recherche Opérationnelle, ENAC, 2022): *"Earth Observation Satellite scheduling under weather uncertainties"*
H. Dibwe Fita (Master Université Nationale du Vietnam, Institut Francophone International, 2021): *"Allocation adaptative de tâches de perception dans des systèmes multi-capteurs et multi-fonctions"*
L. Cerqueira Martins (Master EMSE/UJM, 2012): *"Decentralized stable matching in mixed communities"*
A. Sorici (Master Universitatea Politehnica Bucuresti, EURAMUS, 2011): *"Dynamic, reactive and pro-active context information aggregation in an AmI environment"*
M. Bilal (Master UTT, Orange Labs, 2011): *"Multi-agent governance model for M2M networks: Application to a smart parking management system"*
S. Villarreal (Master EMSE/UJM, 2010): *"Distributed constraint-based Optimisation and Social Choice"*
G. Clair (Master EMSE/UJM, 2008): *"Self-organisation for manufacturing control based on multi-agent systems"*
E. Kaddoum (Master IRIT/UPS, 2008): *"Self-regulation for manufacturing control using self-organising MAS"*
F. Cornet (Master IRIT/UPS, 2006): *"Study of a frequency assignment problem using adaptive multi-agent systems"*

***Committees*** H. Donancio Nunes Rodrigues, France (06/06/23); P. Breugnot, France (16/03/23); A. Daoud (17/01/22), C.J. van Leeuwen (08/02/21), T. Tucci (12/11/18), A. Rantrua (03/02/17), A. Damamme (12/12/16), F. Bistaffa (22/04/16), S. Gillani (04/10/16), A. Sorici (11/09/15), S. Esparcia García (24/02/15), C. Persson (31/10/14), L. Pons (07/07/14), R. Yaich (29/10/13), T. Jorquera (22/10/13), D. Villanueva (13/05/13), S. Rougemaille (27/10/08)

***Reviewer*** H. Donancio Nunes Rodrigues, France (06/06/23); P. Breugnot, France (16/03/23); C.J. van Leeuwen, Netherlands (08/02/21), F. Cruz, Spain (16/10/18) ; M. Velay, France (25/09/18) ; J. Savaux, France (25/10/17) ; R. Breil, Fance (03/10/17) ; A. Rantrua, France (03/02/17); A. Dammame, France (12/12/16); Filippo Bistaffa, Italy (22/04/16); M. Pujol Gonzalez, Spain (25/11/14)

***Post-docs*** A. Robbes (ONERA, 2023-2024): *"Algorithmes de partages de constellation de satellites"*
S. Maqrot (ONERA, 2021-2022): *"Algorithmes de partages équitable de constellation de satellites"*
J. Rivière (Mines Saint-Etienne, 2012-2013): *"Algorithms for finding local optima of expensive functions"*

## PUBLICATIONS

### Chapters

Guessom, Zahia, Mandiau, René, Mathieu, Philippe, Boissier, Olivier, Glize, Pierre, Hamri, Amine, Pesty, Sylvie, Picard, Gauthier, Sansonnet, Jean-Paul, Tessier, Catherine, and Tranvouez, Erwan (2012). "Systèmes multi-agents et Simulation". In: *Information, Interaction, Intelligence : le point sur le i[3]*. Cépaduès Editions, pp. 76–120. URL: https://hal-amu.archives-ouvertes.fr/hal-01488019.

Glize, Pierre and Picard, Gauthier (2011). "Self-Organisation in Constraint Problem Solving". In: *Self-organizing Software: From Natural to Artificial Adaptation*. Ed. by G. Serugendo, M.-P. Gleizes, and A. Karageorgos. Natural Computing Series. Springer. Chap. 14, pp. 347–377. ISBN: 978-3-642-17348-6. DOI: 10.1007/978-3-642-17348-6_14. URL: http://www.springer.com/computer/ai/book/978-3-642-17347-9. [Chapter on invitation – 1 review phase]

Bernon, Carole, Gleizes, Marie-Pierre, and Picard, Gauthier (2009). "Méthodes orientées agent et multi-agent". In: *Technologies des systèmes multi-agents et applications industrielles*. Ed. by A. El Fallah-Seghrouchni and J.-P. Briot. Collection IC2. Hermès. Chap. 2, pp. 45–76. URL: http://www.lavoisier.fr/livre/notice.asp?ouvrage=2138883. [Chapter on invitation – 1 review phase]

Bernon, Carole, Camps, Valérie, Gleizes, Marie-Pierre, and Picard, Gauthier (2005). "Engineering Self-Adaptive Multi-Agent Systems: the ADELFE Methodology". In: *Agent-Oriented Methodologies*. Ed. by B. Henderson-Sellers and P. Giorgini. Idea Group Publishing. Chap. 7, pp. 172–202. DOI: 10.4018/978-1-59140-581-8.ch007. URL: http://www.igi-global.com/book/agent-oriented-methodologies/62. [Chapter on invitation – 2 review phases]

Picard, Gauthier and Gleizes, Marie-Pierre (2004b). "The ADELFE Methodology – Designing Adaptive Cooperative Multi-Agent Systems". In: *Methodologies and Software Engineering for Agent Systems*. Ed. by F. Bergenti, M-P. Gleizes, and F. Zambonelli. Vol. 11. Multiagent Systems, Artificial Societies, And Simulated Organizations. Kluwer Publishing. Chap. 8, pp. 157–176. ISBN: 1-4020-8057-3. DOI: 10.1007/1-4020-8058-1_11. URL: http://www.springerlink.com/content/ku3714781x30q625/. [Chapter on invitation – 2 review phases]

## Editing

Picard, Gauthier, Sabouret, Nicolas, and Simonin, Olivier, eds. (2022b). *Revue Ouverte d'Intelligence Artificielle*. Vol. 3. 5-6. Cellule MathDoc/CEDRAM. DOI: 10.5802/roia.37en.

Picard, Gauthier, Lang, Christophe, and Marilleau, Nicolas, eds. (2018b). *Journées Francophones sur les Systèmes Multi-Agents (JFSMA'18) - Distribution et décentralisation*. Cépaduès, p. 250.

Vercouter, Laurent and Picard, Gauthier, eds. (2015). *Journées Francophones sur les Systèmes Multi-Agents (JFSMA'15) – Environnements socio-techniques*. Cépaduès.

Aldewereld, Huib, Dignum, Virginia, and Picard, Gauthier, eds. (2009). *Engineering Societies in the Agents World X - 10th International Workshop, ESAW 2009, Utrecht, The Netherlands, November 18-20, 2009*. Vol. 5881. Lecture Notes in Artificial Intelligence (LNAI). Springer, p. 258. ISBN: 978-3-642-10202-8. DOI: 10.1007/978-3-642-10203-5. URL: http://www.springer.com/computer/ai/book/978-3-642-10202-8.

Artikis, Alexander, Picard, Gauthier, and Vercouter, Laurent, eds. (2008). *Engineering Societies in the Agents World IX - 9th International Workshop, ESAW 2008, Saint-Etienne, France, September 24-26, 2008, Revised Selected Papers*. Vol. 5485. Lecture Notes in Artificial Intelligence (LNAI). Springer, p. 281. ISBN: 978-3-642-02561-7. DOI: 10.1007/978-3-642-02562-4. URL: http://www.springer.com/computer/ai/book/978-3-642-02561-7.

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