

## Short bio – Amal El Fallah Seghrouchni

**Presentation:** Amal El Fallah Seghrouchni is Full Professor at the University of Pierre and Marie Curie where she heads the Multi-Agent System team at LIP6 (<http://www-desir.lip6.fr/SMA>).

**Degrees:** She obtained her « HDR (Habilitation to advise Research) » from the University Paris 13 (Title: Agents' Coordination: models, algorithms and protocols) - January 2000; and her PhD in computer Science from the University Pierre and Marie Curie - Paris 6 (Title: Distributed architecture of a knowledge base for the analysis and the validation of concurrent programs modeled by means of Petri Nets) - December 1991.

**Research topics:** Her research is focused on Multi-Agent Systems. She is interested in the design, analysis and verification of cognitive MAS. Her main research topics include the multi-agent coordination models (negotiation, distributed planning, protocols of interaction) and programming of MAS. These research topics find a large number of applications in the fields of design of complex systems, simulation (air missions, coordination of UAVs, fault tolerance, etc.) and ambient intelligence. This applicative range is supported by a large number of industrial collaborations (e.g. Thales Research and Technology and the ONERA - French Lab of Aerospace). She has (co-)advised 21 Ph.D students and currently advising 4 others. Some of these theses were or are done in “cotutelle” with other European labs. She has been also involved in thesis committees including at Italy, Netherland, Melbourne, Bucharest, Japan, etc.

**International collaborations:** In Europe, she collaborated with Delft and Utrecht universities (C. Jonker, B. van Riemsdijk and K. V. Hindriks, M. Dastani and J-J Meyer). She also collaborated with Clausthal University (J. Dix) and the University Politehnica of Bucarest (A. Florea, A. Olaru), with Italy (A. Ricci and V. Mascardi). Outside Europe, she developed a strong collaboration with the team of Prof. Honiden at NII (Tokyo, Japan); and with Brazil (both the Universities of PUC - Rio de Janeiro and São Paulo) with R. Bordini, J. F. Hübner, C. Lucena and J. Sichman. These collaborations took place in the context of contracts (European projects), Ph.D co-advising, organization of international events, thesis committees, etc.

**Activities related to research:** She was a node of the network of excellence AgentLink with an active participation to the Technical forum group dedicated to Programming multi-agent systems. She co-organized a series of ProMAS workshops (<http://www.cs.uu.nl/ProMAS/>, since 2003) which produces 5 volumes LNAISpringer and 2 books (international references in ProMAS domain). ProMAS merged with 2 others namely AOSE and DALT and gave birth to EMAS workshop since 2014 ; She has been involved in the organization of the international seminars such as Dagstuhl seminar at 2008 (number 08361) entitled “Programming Multi-Agent Systems”; the 1st, 2nd and 3rd International Workshop on LAnguages, methodologies and Development tools for multi-agent systems (LADS'007 at Durham, LADS'009 at Turin and LADS'010 at Lyon) and a series of international workshop MASTS (Multi-Agent Systems and Semantics) since 2009.

**Main responsibilities related to AAMAS conference:** She has been local chair@ AAMAS 2014 (Paris), Area Expert @ AAMAS 2016, Co-chair of the “Innovative Applications” Track @ AAMAS 2015; Area-Chair @ AAMAS2009; Senior PC (2002 - 2008) of AAMAS.

Since January 2016, she has been elected for the EURAMAS board and she is Program chair of the European Agent Systems Summer School EASSS 2016.

She is General chair of the 10th International Symposium on Intelligent Distributed Computing - IDC'2016 (7-9 October Paris); and has been PC co-chair @ IDC'2015; Vice co-chair of the international conference IEEE/ACM WI-IAT (Web Intelligence and Intelligent Agent Technology) for the two editions 2005 and 2006. She has also been involved in France in various activities related to research, expertise and animation.

**Publication:** She has published 15 papers in international journals, 11 chapters in English, 120 International conferences; (co-)edited 16 books or post-proceedings. Other publications in national journal or French books have been done (<http://www-poleia.lip6.fr/~elfallah/Publications.html>).