

Allel HADJALI

Full Professor in Computer Science

Institution: Ecole Nationale Supérieure de Mécanique et d'Aérotechnique
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Laboratory: Laboratoire d'Informatique d'Automatique pour les Systèmes
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CURRICULUM VITAE



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Prof. Dr. Allel HADJALI

Personal

Name: Allel HADJALI
Date of Birth: May 23, 1965
Place of Birth: AOMAR (Algeria)
Citizenship: French

Position

Full Professor in Computer Science

Engineer School ENSMA (École Nationale Supérieure de Mécanique et d'Aérotechnique in Poitiers), Poitiers, France

Research Laboratory: LIAS (Laboratoire d'Informatique et d'Automatique pour les Systèmes)

Contact

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Education

- "HDR" (Habilitation for Research Direction) in Computer Science
Place: University of Rennes 1, France
Title: *Preference, Gradualness & Uncertainty*
- Ph.D. in Computer Science
Place: University Paul Sabatier, Toulouse 3, France
Title: *Qualitative reasoning on relative orders of magnitude: Modelling and Processing using fuzzy logic.*
Supervisors: Didier Dubois and Henri Prade
- MSc in Computer Science
Place: University Mouloud Mammeri, Tizi-ouzou, Algeria
Title: *Study of fuzzy sets and possibility theory with a view to their application in knowledge-based systems*
Supervisors: M.K. Luhandjula and Didier Dubois
- MEng in Computer Science
Place: University Mouloud Mammeri, Tizi-ouzou, Algeria
Supervisors: M.K. Luhandjula

Professional Experience

From 2012
Full Professor of Computer Science, ISAE-ENSMA, Poitiers, France
2003 – 2012
Associate Professor of Computer Science, ENSSAT, University of Rennes 1, France
2001 – 2003

Visiting Researcher at CNRS/IRIT, University Paul Sabatier, Toulouse, France
1995 – 2001
Associate Professor of Computer Science, Univ. Mouloud Mammeri, Tizi-ouzou, Algérie
1991 - 1995
Assistant Professor of Computer Science, Univ. Mouloud Mammeri, Tizi-ouzou, Algérie

Current and Recent Research Interests

My scientific research falls with the Data Science domain, more particularly; my topics of interest are related to the Exploitation, Extraction and Recommendation (E2R). Data of interest include semantic data, engineering/scientific data, multisensor data, etc.

My current research interests are focusing on applying **Computational Intelligence** and **Soft Computing** in:

- Massive Data Exploitation and Analysis:
 - Querying data in a flexible way (Skyline queries, Gradual queries, Bipolar queries, etc.)
 - Modeling and querying uncertain/incomplete data
 - Cooperative answering (Query relaxation, Providing Enriched answers, Why-not questions, etc.)
 - Data reduction (Linguistic Summaries)
- Recommendation:
 - Learning-based recommendation
 - Group recommendation
- Extraction:
 - Mining gradual patterns

Others research topics of interests are:

- Data quality (Quality indicators, Data repairing)
- Intelligent systems (Computational intelligence techniques in decision making)
- Crowdsourced data management (Quality control, answer aggregation)

Past Research Interests

- Inference Systems in Artificial Intelligence
- Commonsense Reasoning with Applications to Artificial Intelligence and Information Systems

Publication Summary: 210 scientific publications (see Annex for more details)

- 7 chapters in research monographs
- 29 papers in international journals (Journal of Intelligent Information Systems, Annals of Mathematics and Artificial Intelligence, Fuzzy Sets and Systems, IEEE Transactions on Fuzzy Systems, etc.)
- 4 papers in national journals (French Journal of Artificial Intelligence, French Journal of Engineering of Information Systems, etc.)
- 115 papers in Proceedings of international conferences (EDBT, VLDB, ESWC, TIME, IPMU, SUM, FQAS, ISMIS, ACM SAC, IEEE-SCC, IEEE-ICWS, IFSA, Fuzz-IEEE, EUSFLAT, etc.)
- 46 papers in Proceedings of (French) national conferences (BDA, EGC, LFA, etc.)

Supervision of Students

- Ph.D. Students:
 - Completed (11)
 - Amine Mokhtari, Karim Benouaret, Katia Abbaci, Géraoud Fokou, Zahira Chouiref, Aymen Gammoud, Saida Elmi, Amna Abidi, Fatma Ezzahra Bousnin, Ibrahim Dellal, Chourouk Belheouane
 - In progress (4)
 - Sana Nadouri (since Oct. 2017), Khedidja Boulanouar (since Janu. 2018), Houssemeddine Yousfi (since Oct. 2018), Louise Paking (since Oct. 2019)
- M.Sc. Students:
 - Completed: 20

Research Projects

- Past Projects:
 - *Mutisources Data Quality*, CNRS project (2015 – 2018).
 - *Complex Objects Matching*, National Project ANR (2009 – 2012).
 - *A Semantic Based Mediation System for Large Scale Applications*, National Project ANR (2006 – 2009)
 - *Qualitative Orders of Magnitude Reasoning: Application to Bayesians Networks*, Cooperation Project, Co-Coordinator with Henri Prade (2000 – 2002).
 - *Solving Qualitative Equations*, National Project, University of Tizi-ouzou (Algeria), Project Coordinator (1999 – 2001).

Professional Services

- Editorial Work:
 - Member of the Editorial Board of the Journal Smart Environments and Green Computing (<https://oaepublish.com/index.php/jsegc>)
 - Member of the Editorial Board of Applied Soft Computing (<https://www.journals.elsevier.com/applied-soft-computing>)
 - Member of the Editorial Board of Artificial Intelligence Research (<http://www.sciedu.ca/journal/index.php/air>)
 - Member of the Editorial Board of Sensors Journal (<https://www.mdpi.com/journal/sensors>)
 - Member of the Editorial Board of Universal Journal of Aeronautics & Aerospace Research (<https://etextonline.org/journals/aeronautics-and-aerospace-research/>)
 - Member of the Editorial Board of Universal Journal of Lasers, Optics, Photonics & Sensors (<https://etextonline.org/journals/lasers-optics-photonics-sensors/index.php>)
 - Member of the Editorial Board of Journal of Advanced Computing Technologies (<http://www.j-acot.org/>)
 - Guest Editors:
 - Special issue of International Journal of Approximate Reasoning (2018) with Haithem MEZNI, Sabeur ARIDHI, Andrei TCHERNYKH
 - Special issue of Journal of Fuzzy Sets and Systems (2017) with Eric LEFEVRE
 - Special issue of Journal of Fuzzy Sets and Systems (2010) with Guy De Tré
 - Special issue of Journal of Intelligent Information Systems (2009) with Patrick Bosc and Gabriella Pasi

- Organisation of Conferences:
 - *French Conference of Fuzzy Logic and its Applications*, Poitiers, France, 5 - 6 november 2015
- Organisation of Special Sessions:
 - *Computational Intelligence in Managing IoT Data* (RTIS, 2020), with M. Hudec and E. Portmann
 - *Uncertainty in Cloud Computing* (IEEE-CloudCom, 2018), with H. Mezni and S. Aridhi
 - *Uncertainty in Cloud Computing* (DEXA, 2017), with H. Mezni and S. Aridhi
 - *Computational Intelligence in Database* (IEA-AIE 2017), with Guy De Tré
 - *Intelligent Web Computing and Applications* (SITIS-2016), with Joe Tekli and Kokou Yetongnon
 - *Advances in Data Management in the Context of Incomplete Databases*, with Henri Prade and Ludovic Liétard, 2015 IFSA World Congress, Spain.
 - *Cooperative and Flexibility in Semantic web Databases*, with Stephane Jean and Peter Dolog, ISMIS 2014 Conference, 25-27 June 2014, Roskilde, Denmark.
 - *Advances in Bipolarity in Database* (EUSFLAT, 2013), with Ludovic Liétard and Henri Prade
 - *Fuzzy Information Retrieval and Database Systems* (EUSFLAT, 2011), with Guy De Tré, Olivier Pivert and Slawomir Zadrozny
 - *Advances in Soft Computing Applied to Database and Information Systems* (IFSA-EUSFLAT, 2009), with Patrick Bosc, Olivier Pivert and Slawomir Zadrozny.
- Technical Sessions Chair:
 - *Managing Massive Data in the Cloud* (BDA 2016, Poitiers, France)
 - *Database preferences* (LFA 2015, Corse, France)
 - *Bipolarity in Databases* (Eusflat 2013, Milan, Italy)
 - *Fuzziness, Uncertainty and Vagueness* (IPMU, 2008, Malaga, Spain)
 - *Information Retrieval and Information access on the Web* (EUSFLAT, 2005, Barcelona, Spain)
- Program Committees Member:

Année 2020

IEEE ICWS 2020 :	IEEE International Conference on Web Services
IEEE SCC 2020 :	IEEE International Conference on Service Computing
ICTAI 2020 :	32 th International Conference on Tools with Artificial Intelligence
ACM-SAC 2020 :	35 th ACM Symposium on Applied Computing
ISMIS 2020 :	25 th Inter. Symposium on Methodologies for Intelligent Systems
SUM 2020 :	14 th Inter. Conf. on Scalable Uncertainty Management
DEXA 2020 :	30 th Inter. Conf. on Database and Expert Systems Applications
IEA-AIE 2020:	32 nd Inter. Conf. on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems
WEB 2020 :	7 th Inter. Conf. on Building and Exploring Web Based Environ.
BDA 2020 :	36 th French Conf. on Data Managing
LFA 2020 :	29 th French Conf. on Fuzzy Logic and Applications
COSI 2020 :	17 th Symposium of Optimisation and Information Systems

Année 2019

IEEE ICWS 2019 :	IEEE International Conference on Web Services
ICTAI 2019 :	31 st Inter. Conference on Tools with Artificial Intelligence
ICSOC 2019 :	17 th International Conference on Service Oriented Computing
COLLA 2019 :	9 th Inter. Conf. on Advanced Collab. Networks, Syst. and Appli.
FSASSE 2019 :	Special Session on Fuzzy-based Simulation Approaches and Systems in Science and Engineering (in HPCS 2019)

ACM-SAC 2019 : 34th ACM Symposium on Applied Computing
DEXA 2019 : 30th Inter. Conf. on Database and Expert Systems Applications
IEA-AIE 2019: 32nd Inter. Conf. on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems
WEB 2019 : 7th Inter. Conf. on Building and Exploring Web Based Environ.
ICDEc 2019 : 4th International conference of Digital Economy
LFA 2019 : 28th French Conf. on Fuzzy Logic and Applications
COSI 2019 : 16th Symposium of Optimisation and Information Systems

Année 2018

SCIS 2018 : 10th Inter. Conference on Soft Computing and Intelligent Systems
ACM-SAC 2018 : 33rd ACM Symposium on Applied Computing
ICTAI 2019 : 30st Inter. Conference on Tools with Artificial Intelligence
ODBASE 2018 : 17th Inter. Conf. on Ontologies, DataBases, and Applications of Semantics
DEXA 2018 : 29th Inter. Conference on Database and Expert Systems Applications
ISMIS 2018 : 24th International Symposium on Methodologies for Intelligent Systems
IEA-AIE 2018 : 31th Inter. Conf. on Industrial and Engineering Applications of μ Artificial Intelligence and Expert Systems
SCIFI 2018 : Special Session on Fuzziness in Smart Cities, ICEIS 2018 Conference
WEB 2018 : 6th Inter. Conf. on Building and Exploring Web Based Environments
ISPS 2018 : 13th International Symposium on Programming and Systems
ICDEc 2018 : 3th International conference of Digital Economy
CSA 2018 : 3rd Conference on Computing Systems and Applications
LFA 2018 : 27^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2018 : 15^e Colloque sur l'Optimisation et les Systèmes d'Information

Année 2017

ACM-SAC 2017 : 32nd ACM Symposium on Applied Computing
ODBASE 2017 : 16th Inter. Conf. on Ontologies, DataBases, and Applications of Semantics
DEXA 2017 : 28th Inter. Conference on Database and Expert Systems Applications
FQAS 2017 : Inter. Conference on Flexible Query Answering Systems
ISMIS 2017 : 23th International Symposium on Methodologies for Intelligent Systems
IEA-AIE 2017 : 30th Inter. Conf. on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems
EUSFLAT 2017 : Inter. Conference of the European Society for Fuzzy Logic and Technology
IFSA 2017 : 18th World Congress of the International Fuzzy Systems Association
WEB 2017 : 5th Inter. Conference on Building and Exploring Web Based Environments
ICDEc 2017 : 2nd International conference of Digital Economy
CAL 2017 : 11^e Conférence Francophone sur les Architectures Logicielles
LFA 2017 : 26^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2017 : 14^e Colloque sur l'Optimisation et les Systèmes d'Information

Année 2016

ACM-SAC 2016 : 31st ACM Symposium on Applied Computing
ODBASE 2016 : 15th Inter. Conf. on Ontologies, DataBases, and Applications of Semantics
CSA 2016 : 2nd Conference on Computing Systems and Applications
WEB 2016 : 4th Inter. Conference on Building and Exploring Web Based Environments
ICDEc 2016 : 1st International conference of Digital Economy
CAL 2016 : 10^e Conférence Francophone sur les Architectures Logicielles
LFA 2016 : 25^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2016 : 13^e Colloque sur l'Optimisation et les Systèmes d'Information

Année 2015

ACM-SAC 2015 : 30st ACM Symposium on Applied Computing
WEB 2015 : 3th Inter. Conference on Building and Exploring Web Based Environments
ISMIS 2015 : 22nd International Symposium on Methodologies for Intelligent Systems
FQAS 2015 : Flexible Query Answering Systems
SUM 2015 : 9th International Conference on Scalable Uncertainty and Management
ODBASE 2015 : 14th Inter. Conf. on Ontologies, DataBases, and Applications of Semantics
IFSA 2015 : 16th World Congress of the International Fuzzy Systems Association
EUSFLAT 2015 : 9th Conference of the European Society for Fuzzy Logic and Technology
ISPS 2015 : 12th Inter. Symposium of Programming and Systems
LFA 2015 : 24^e Conférence Francophone sur la Logique Floues et ses Applications
CAL 2015 : 9^e Conférence Francophone sur les Architectures Logicielles
COSI 2015 : 12^e Colloque sur l'Optimisation et les Systèmes d'Information
CIIA 2015 : 5th International Conference on Computer Science and its Applications

Année 2014

ACM-SAC 2014 : 29th ACM Symposium on Applied Computing
WEB 2014 : 2th Inter. Conference on Building and Exploring Web Based Environments
ISMIS 2014 : 21st International Symposium on Methodologies for Intelligent Systems
IPMU 2014 : 15th International Conference on Information Processing and Management of Uncertainty
LFA 2014 : 23^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2014 : 11^e Colloque sur l'Optimisation et les Systèmes d'Information
JFO 2014 : 7^e Journées Francophone sur les Ontologies

Année 2013

WEB 2013 : 1st Inter. Conference on Building and Exploring Web Based Environments
FQAS 2013 : Flexible Query Answering Systems
EUSFLAT 2013 : 8th Conference of the European Society for Fuzzy Logic and Technology
ISPS 2013 : 11th Inter. Symposium on Programming and Systems
LFA 2013 : 22^e Conférence Francophone sur la Logique Floues et ses Applications
CAL 2013 : 7^e Conférence Francophone sur les Architectures Logicielles
COSI 2013 : 10^e Colloque sur l'Optimisation et les Systèmes d'Information
CIIA 2013 : 4th International Conference on Computer Science and its Applications

Année 2012

ISMIS 2012 : 20st International Symposium on Methodologies for Intelligent Systems
FQAS 2012 : Flexible Query Answering Systems
Fuzz-IEEE 2012 : International Conference on Fuzzy Systems
LFA 2012 : 21^e Conférence Francophone sur la Logique Floues et ses Applications
CAL 2012 : 6^e Conférence Francophone sur les Architectures Logicielles
COSI 2012 : 9^e Colloque sur l'Optimisation et les Systèmes d'Information

Année 2011

ISMIS 2011 : 19th International Symposium on Methodologies for Intelligent Systems
FQAS 2011 : Flexible Query Answering Systems
EUSFLAT 2011 : 7th Conference of the European Society for Fuzzy Logic and Technology
ISPS 2011 : 10th Inter. Symposium on Programming and Systems
LFA 2011 : 20^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2011 : 8^e Colloque sur l'Optimisation et les Systèmes d'Information
JFO 2011 : 5^e Journées Francophone sur les Ontologies
R2I 2011 : Rencontres sur la Recherche en Informatique (Tizi-ouzou, Algérie)
GAOC 2011 : 2^e Atelier Graphes et Appariement d'Objets Complexes (Brest, France)

Année 2010

LFA 2010 : 19^e Conférence Francophone sur la Logique Floues et ses Applications

COSI 2010 : 7^e Colloque sur l'Optimisation et les Systèmes d'Information
GAOC 2010 : 1^e Atelier Graphes et Appariement d'Objets Complexes (Tunisie)

Année 2009

ISMIS 2009 : 18th International Symposium on Methodologies for Intelligent Systems
FQAS 2009 : Flexible Query Answering Systems
LFA 2009 : 19^e Conférence Francophone sur la Logique Floues et ses Applications
COSI 2009 : 6^e Colloque sur l'Optimisation et les Systèmes d'Information
STIC 2009 : Journées sur les Sciences et Technologies de l'Information et de la Communication (Alger, Algérie)

Année 2008

NOTERE 2008 : 6^e Conférence Francophone sur les Nouvelles Technologies de la Répartition
JFO 2008 : 2^e Journées Francophone sur les Ontologies
LFA 2008 : 18^e Conférence Francophone sur la Logique Floues et ses Applications

Année 2007

LFA 2007 : 17^e Conférence Francophone sur la Logique Floues et ses Applications
JFO 2007 : 1^e Journées Francophone sur les Ontologies

Année 2003

Fuzz-IEEE 2003 : International Conference on Fuzzy Systems

Année 1999

MICCT 1999 : Mediterranean Inter. Conf. on Computing and Technology (Tizi-ouzou, Algérie)

Année 1996

SNITO 1996 : Séminaire National en Informatique de Tizi-ouzou (Algérie)

– External Reviewer,

• Journals:

Année 2020 (4) : Computers and Electronics in Agriculture, Engineering and Applied Science Research, Applied Soft Computing, Expert Systems With Applications

Année 2019 (7) : Concurrency and Computation: Practice and Experience, New Review of Information Networking, Transactions on Intelligent Systems and Technology, International Journal of Distributed Sensor Networks, Fuzzy Sets and Systems, Journal of Supercomputing, Semantic Web Journal

Année 2018 (7) : ACM Transactions on Database Systems, Aircraft Engin. and Aerospace Technology, International Journal of Distributed Sensor Networks, Fuzzy Sets and Systems, International Journal of Management Science and Engineering Management, International Journal of Approximate Reasoning, Annals of Mathematics and AI

Année 2017 (10) : Journal of Sensors (1), Journal of Supercomputing (1), Journal of Intelligent Information Systems (1), International Journal of Engineering Science and Technology (1), Engineering Applications of Artificial Intelligence Journal (1), International Journal of Reasoning-based Intelligent Systems (1), Fuzzy Systems (2), Applied Soft Computing (1), Information Sciences (1)

Année 2016 (7) : Applied Soft Computing (1), Information Sciences (1), IEEE Transactions on Fuzzy Systems (1), Transactions on Knowledge and Data Engineering (2), Mathematics Problems in Engineering (1), Revue d'Intelligence Artificielle (1)

Année 2015 (5) : Information Sciences (1), IEEE Transactions on Fuzzy Systems (1), Transactions on Internet Technology (2), Revue d'Intelligence Artificielle (1)

Année 2014 (5) : Distributed and Parallel Databases (1), IEEE Transactions on Fuzzy Systems (1), International Journal of Medical Engineering and Informatics (1), World Wide Web Journal (1), 2014, Advances in Intelligent Systems and Computing (1)

Année 2013 (3) : IEEE Transactions on Fuzzy Systems (1), Fuzzy Sets and Systems (1), Transactions on Knowledge and Data Engineering (1),

Année 2012 (5) : IEEE Transactions on Fuzzy Systems (1), Fuzzy Sets and Systems (1), Technique et Science Informatiques (1), Journal of Approximate Reasoning (2), 2012

Année 2011 (5) : Fuzzy Sets and Systems (1), International Journal of Computational Intelligence Systems (2), Journal of Intelligent Information Systems (2)

Année 2010 (2) : Fuzzy Sets and Systems (1), IEEE Transactions on Fuzzy Systems (1)

Année 2009 (2) : Ingénierie des Systèmes d'Informations (2)

Année 2008 (3) : Fuzzy Sets and Systems (1), International Journal of Intelligent Systems (1), Revue des Nouvelles Technologies et de l'Information (1)

Année 2007 (1) : International Journal of Intelligent Systems (1)

Année 2003 (1) : Fuzzy Sets and Systems Systems (1)

Année 2002 (1) : IEEE Transactions on Fuzzy Systems (1)

• Conferences:

DEXA, Databases and Expert Systems Applications, 2012, 2011, 2009

ADBIS, Advances in Databases and Information Systems, 2012

CAISE, Inter. Conference on Advanced Information Systems. Engineering, 2011

BPM, Business Process Management, 2010

IPMU, Information Processing and Management Uncertainty, 2012 - 2006

EUSFLAT, European Society for Fuzzy Logic and Technology, 2005

NAFIPS, North American Fuzzy Information Processing Society, 2009 – 2005

Fuzz-IEEE, IEEE Inter. Conference on Fuzzy Systems, 2008, 2007, 2006, 2004

ACM-SAC, Symposium on Applied Computing, 2009, 2008

WI, Web Intelligence, 2010, 2009

BDA, Base de Données Avancées, 2008

INFORSID, Informatique des Organisations et SI et de Décision, 2007, 2006

EGC, Extraction et Gestion de Connaissances, 2009, 2008

ISPS, International Symposium on Programming and Systems, 2011, 1997, 1995

Phd's Thesis Committee Member

- Gael Beck, University of Paris 13, France
- Zied Ben-Othmane, University of Reims, France
- Clay Palmeira, University of Tours, France
- Wehbi Benallel, University of Lyon 1, France
- Kheireddine Choutri, University of Blida, Algeria
- Nicolas Gutowski, University of Angers, France
- Dorra Attiaoui, University of Rennes, France
- Asma Omri, University of Lyon 1, France
- Auréline Moureau, University of Rennes 1, France

- Ian Basaille-Gahitte, University of Bourgogne, France
- Fayçal Rédha Saidani, University of Tizi-ouzou (Algeria)
- Dorra Attiaoui, University of Rennes1, France
- Adel Benaissa, University of Paris Descartes, France
- Xin Huang, University of Paris Descartes, France
- Asma Belhadi, USTHB University, Algiers, Algeria
- Sangeeth Saagar Ponnusamy, University of Paul Sabatier, Toulouse, France
- Amel Ennaceur, University of Artois, Lens, France
- Mouhamadou Saliou Diallo, University of Tours, France
- Yacine Belhouli (LIRIS, University Claude Bernard, Lyon, France
- Farid Aiche (IRIT, University Paul Sabatier, Toulouse, France
- Hamid Necir, University USTHB, Algiers, Algeria

Invited Talk

- 02/12/2018: *Skyline Driven Decision: Where we are? and Where we will go?*, Conference ICAASE, University of Constantine 2, Algeria.
- 27/09/2018: *Potential of Computational Intelligence in Modern Data Management*, JSP Days, ISAMM, Tunisia.
- 25/04/2018 : *Potential of Computational Intelligence in Big Multi-sensor Data Management*, CSA Conference, EMP School, Algiers, Algeria
- 09/02/2016: *A typology of data Defects*, LIG, University of Grenoble
- 03/04/2015: *Managing Uncertainty in Databases*, LIMOS, University of Clermont-Ferrand
- 12/03/2015: *Potentials of Computational Intelligence in Big Data Management*, University of Manouba, Tunis
- 12/2014: *Modelling and Managing Data Uncertainty*, LIRIS, University of Lyon 1
- 11/2014: *Data Uncertainty*, LIPADE, University of Paris 5
- 05/2013: *Database Preferences*, USTHB, University of Algiers, Algeria

Visiting Researcher

- 4 to 11/11/2017, LIRE, University of Constantine 2 (Algeria)
- 21 to 28/05/2017, Institute of Aeronautic and Spatial Studies , University of Blida (Algeria)
- 2/06 to 9/06/2015 : LRIA Laboratory, USTHB University, Algiers, Algeria)
- 07/03 to 14/03/2015: LARODEC Laboratory, University of Tunis, Tunisia

Scientific Cooperation

The scientific cooperation given below have all resulted in writing research papers, Phd thesis supervision and/or scientific events organization (Conferences, Workshops, Special Issues of Journals, etc.).

National

- **LORIA, University of Lorraine** (with Dr. Sabeur Aridhi): Organization of the Workshop UCC'2017 on Managing Uncertainty in Cloud Computing, Edition of a Special Issue of the Journal of Approximate Reasoning (2019).
- **CRIL, University of Lens** (with Prof. Lakhadr Sais): Collaboration in the setting of the QDoSSI CNRS-Project.
- **LIPADE, Paris Descartes University** (with Prof. Salima Benbernou): Collaboration in the setting of the QDoSSI CNRS-Project, Co-writing research papers on Managing Uncertainty in Descriptive Logic.
- **IRIT, Paul Sabatier University – Toulouse** (with Prof. Didier Dubois & Prof. Henri Parde): Co-writing research papers on Databases Uncertainty and Intelligent Systems.
- **IRISA, University of Rennes 1** (with Prof. Daniel Rocacher and Dr. Ludovic Lietard): Co-writing research papers on Massive Data Exploitation.
- **LIRIS Claud Bernard University – Lyon** (with Prof. Djamal Benslimane): Co-writing research papers on Advanced Service Computing.

International

- **Mexico, CICESE Research Center, Ensenada** (with Prof. Andrei Tchernykh): Edition of a Special Issue of the Journal of Approximate Reasoning (2019).
- **Belgium, Ghent University** (with Prof. Guy De Trés): Co-writing research papers, Edition of a Special Issue of Fuzzy Sets and Systems Journal.
- **Italy, University of Milano** (with Prof. Gabriella Pasi): Edition of a Special Issue of the Journal of Intelligent Information Systems.
- **Poland, University of Warsaw** (With Prof. Slawomir Zadrosny): Special Sessions Organization
- **Algeria, University of Constantine 2** (with Prof. Zaid Sahnoun): Co-supervision of Phd Thesis and Co-writing research papers.
 - **University UTSHB – Algiers** (with Prof. Habiba Dria & Prof. Hamid Azzoune): Co-supervision of Phd Thesis and Co-writing research papers.
 - **University of Tizi-ouzou** (with Prof. Idir Rassoul & Prof. Rachid Ahmed-Ouamer): Co-supervision of Phd Thesis and Co-writing research papers.
 - **University of Tlemcen** (with Prof. Amine Chikh): Co-supervision of Master Thesis
- **Tunisia, LARODEC, Carthage University** (with Prof. Ben Yaghlane): Co-supervision of Phd Thesis and Co-writing research papers.
- **Australia, University of Adelaide** (with Prof. Michael Sheng): Co-writing research papers.
- **United Arab Emirates, Zayed University** (with Prof. Zakaria Maamar): Co-writing research papers.

Services to Academic Institutions

- ENSMA, Poitiers (France):
 - 2013 - 2016: Head of the Department of Computer Science, Automatic and Mathematics
 - Since 2013: Member of the Scientific Council
 - Since 2013: Member of the Scientific Experts Commission
- ENSSAT, University of Rennes (France):

- 2009 - 2012: Member of the Administrative Council
- 2004 - 2008: Member of the Scientific Council
- 2011 - 2012: Head of Research Master Service

Teaching Activities

- Graduate Courses (Master 2 Level):
 - Preferences in database queries
 - Soft computing in intelligent Systems
- Undergraduate Main Courses (Engineering formation):
 - Formal Aspects in Software engineering
 - Operating systems
 - Distributed algorithmic and systems
 - Object modelling and programming
 - Web programming
 - Languages and compilers
 - Dynamic and linear programming

Annex

1. Publications List¹

1.1 Summary

International Journals (with reading Committees)	29
National Journals (with reading Committees)	4
Editions of Special Issues of Journals	5
Book Chapters	7
International Conferences	115
National Conferences	46
Technical Internal Report	13
Total	210

1.2 International Journals

(with SJR Ranking and Factor Impact)

- [1] Khedidja BOULANOUAR, Allel HADJALI, Mohand LAGHA, **Data Summarization for Sensor Data Management: Towards Computational-Intelligence-Based Approaches**, *International Journal of Computing and Digital Systems*, vol. 10, 2020, pp. 1--9
- [2] Ibrahim DELLAL, Stéphane JEAN, Allel HADJALI, Brice CHARDIN, Mickael BARON, "Query Answering over Uncertain RDF Knowledge Bases: Explain and Obviate Unsuccessful Query Results", *Knowledge and Information Systems*, Vol. 61, 2019, pp. 1633-1665 (**SJR Q1, FI = 1.82**)
- [3] Chourouk BELHEOUANE, Stephane JEAN, Allel HADJALI and Hamid AZZOUNE, "Cooperative Treatment of Failing Queries over Uncertain Databases: A Matrix-Computation-Based Approach", *Journal of Intelligent Information Systems*, Vol. 52, 2019, pp. 211-238. (**SJR Q2, IF = 1.1**)
- [4] Djamal BELKASMI, Allel HADJALI, Hamid Azzoun, "On Fuzzy Approaches for Enlarging Skyline Query Results", *International Journal of Applied Soft Computing*, Vo. 74, pp. 51-65, 2019. (**SJR Q1, FI = 2.857**)
- [5] Abdelaziz OUADAH, Allel HADJALI, Fahima NADER, Karim BENOURET, SEFAP: An Efficient Approach for Ranking Skyline Web Services, *Journal of Ambient Intelligence and Humanized Computing*, Vol. 10, 2019, pp. 709-725. (**Classée Q2, IF = 1.588**)
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