

Allel HADJALI

Full Professor in Computer Science

Institution: Ecole Nationale Supérieure de Mécanique et d'Aérotechnique
(ENSMA), Poitiers, France

<http://www.ensma.fr/>

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*
Supervisors: Didier Dubois and Henri Prade
- 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 in Computer Science, ISAE-ENSMA, Poitiers, France

2003 – 2012

Associate Professor in Computer Science, ENSSAT, University of Rennes 1, France

2001 – 2003

Visiting Researcher at CNRS/IRIT, University Paul Sabatier, Toulouse, France

1995 – 2001

Associate Professor in Computer Science, Univ. Mouloud Mammeri, Tizi-ouzou, Algérie

1991 - 1995

Assistant Professor in 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 **Soft Computing and Computational Intelligence** 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)
- Extraction:
 - Mining gradual patterns
- Recommendation:
 - Preference relations, aggregation
 - Group recommendation

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
- Qualitative/Approximate/Uncertain Reasoning with applications to Artificial Intelligence and Information Systems

Publication Summary: 193 scientific publications (**see Annex for more details**)

- 7 chapters in research monographs
- 23 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.)
- 3 papers in national journals (French Journal of Artificial Intelligence, French Journal of Engineering of Information Systems, etc.)
- 104 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.)
- 39 papers in proceedings of (French) national conferences (BDA, EGC, LFA, etc.)

Supervision of Students

- Ph.D. Students:
 - Completed (7)
 - Amine Mokhtari, Karim Benouaret, Katia Abbaci, Géraoud Fokou, Zahira Chouiref, Aymen Gammoud, Saida Elmi
 - In progress
 - Amna Abidi (since Sep. 2016), Fatma Ezzahra Bousnin (since Sep. 2016), Ibrahim Dellal (since Sep. 2016), Sana Nadouri (since Oct. 2017), Khedidja Boulanouar (since Janu. 2017)
- M.Sc. Students:
 - Completed: 14

Research Projects

- Current Project:
 - *Mutisources Data Quality*, CNRS project (2015 – 2018).
- Past Projects:
 - *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 Activities

- Editorial Work:
 - Member Artificial Intelligence Research (<http://www.sciedu.ca/journal/index.php/air>)
 - Member of 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:
 - *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 2018

- SCIS 2018 : 10th International Conference on Soft Computing and Intelligent Systems
 ACM-SAC 2018 : 33rd ACM Symposium on Applied Computing
 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. Conference 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 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

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

- 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 Belhoul (LIRIS, University Claude Bernard, Lyon, France

- Farid Aiche (IRIT, University Paul Sabatier, Toulouse, France)
- Hamid Necir, University USTHB, Algiers, Algeria

Invited Talk

- 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, LIR, 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

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

Chapters of books

- [1] Amna ABIDI, Mohamed A. BACH TOBJI, **Allel HADJALI**, Boutheina BEN YAGHLANE, Statistical Methods for Use in Analysis of Trust-Skyline Sets, In Enterprise Information Systems (Hammoudi et al., Eds.), Springer, LNBIP 321, pp. 1-15, 2018.
- [2] Grégory SMITS, Olivier PIVERT, **Allel HADJALI**, "Fuzzy cardinalities as a basis to cooperative answering", In: *Flexible Approaches in Data, Info. and Knowledge Management*, 497, Studies in Computational Intelligence, Springer, 2013, pp. 261-289.
- [3] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, Gregory Smits "An approach based on predicate correlation to the reduction of plethoric answers sets", In: *Advances in Knowledge Discovery and Management* (F. Guillet, G. Ritschard, D. Zighed, H. Briand and R. Gras, Eds.), Springer, In the series "Studies in Computational Intelligence", pp. 215-236, 2010.
- [4] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "Overabundant answers to flexible queries – A proximity-based intensification approach", In: *Uncertainty and Intelligent Information Systems* (B. Bouchon-Meunier, R.R. Yager, C. Marsala and M. Rifqi, Eds.), World Scientific Publishing, Singapore, pp. 273-287, 2008.
- [5] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "On the versatility of fuzzy sets for modelling flexible queries", In: *Handbook of Research on Fuzzy Information Processing in Databases* (P. Galindo, Ed.), Idea Group Inc., pp. 143-164, 2008.
- [6] Didier DUBOIS, **Allel HADJALI**, Henri PRADE, "Granular computing with fuzzy closeness and negligibility relations", In : *Data Mining, Rough Sets and Granular Computing* (T.Y. Lin, Y.Y. Yao, L.A. Zadeh, Eds.), Published by the Springer-Verlag Group, In the series "Studies in Fuzziness and soft Computing", pp. 290-307, 2002.
- [7] Didier DUBOIS, **Allel HADJALI**, Henri PRADE, "Fuzzy qualitative reasoning with words", In : *Computing with Words* (Paul P. Wang, ed.), Volume III in a Series of books on Intelligent Syst. John Wiley & Son (J. Albus, A. Meystel, L.A. Zadeh, Series Editors), pp. 347-366, 2001.

International Journals

(with the SJR ranking and Factor Impact)

- [8] Abdelaziz OUADAH, **Allel HADJALI**, Fahima NADER, Karim BENOURET, SEFAP: An Efficient Approach for Ranking Skyline Web Services, *International Journal of Ambient Intelligence and Humanized Computing*, February 2018. (**Classée Q1, IF = 1.588**)
- [9] Amna ABIDI, Saida ELMI, Mohamed Anis BACH TOBJI, **Allel HADJALI**, Boutheina BEN YAGHLANE, "Skyline queries over possibilistic RDF data", *International Journal of Approximate Reasoning*, Vol. 93, 2017, pp. 277-289. **Classée Q1, IF = 2.845**)
- [10] Sayda ELMI, Mohamed Anis BACH TOBJI, **Allel HADJALI**, Boutheina Ben Yaghlane, "SKY²: An Approach for Selecting Skyline Stars over Evidential Databases, *International Journal of Applied Soft Computing*, Vo. 57, 2017, pp. 88-101. (**SJR Q1, FI = 2.857**)
- [11] Aymen GAMMOUDI, **Allel HADJALI**, Boutheina Ben Yaghlane, "Fuzz-TIME: An Intelligent System for Managing Fuzzy Temporal Information", *International Journal of Intelligent Computing and Cybernetics*, Vol. 10, N° 2, 2017. (**SJR Q2, IF = 0.68**)
- [12] Géraud FOKOU, Stéphane JEAN, **Allel HADJALI**, Mickael BARON, "Handling Failing RDF Queries: From Diagnosis to Relaxation", *Knowledge and Information Systems*, Vol. 50, N. 1, 2017, pp. 167-195. (**SJR Q2, FI = 1.82**)
- [13] Zahira CHOUIREF, Abdelkader Belkhir, Karim Benouaret, **Allel HADJALI**, "A Fuzzy Framework for Efficient User-Centric Web Service Selection", *International Journal of Applied Soft Computing*, Vol. 4, N. 1, 2016, pp. 51-65. (**Classée Q1, FI = 2.857**)
- [14] Didier DUBOIS, **Allel HADJALI**, Henri PRADE, Faycal TOUAZI, "Corrigendum: Database Preference Queries - A Possibilistic Logic Approach with Symbolic Priorities", *Annals of Math. and Artificial Intelligence*, Vol. 73 (3-4), 2015, pp. 359-363. (**SJR Q2, FI = 0.944**)

- [15] Karim Benouaret, Djamel Benslimane, **Allel HADJALI**, Mahmoud Barhamgi, Zakaria MAAMAR, Quan SHENG, "Web Service Compositions with Fuzzy Preferences: A Graded Dominance Relationship Based Approach", *ACM Transactions on Internet Technology*, Vol. 13, N. 4, 2014, pp. 12:1-12:33. **(SJR Q2, FI = 0.705)**
- [16] Zahira CHOUIREF, Abdelkader Belkhir, **Allel HADJALI**, "Advanced Profile Similarity to Enhance Semantic Web Services Matching", *International Journal of Recent Contributions from Engineering, Science & IT (IJRCE)*, Vol. 1, N. 1, 2013, pp. 13-20.
- [17] Patrick Bosc, Guy De Tré, Jozo Dujmović, **Allel HADJALI**, Olivier Pivert, Rita Ribeiro, Sławomir ZadroznyGuy, "On Advances in Soft Computing Applied to Database and Information Systems", *Fuzzy Sets and Systems*, Vol. 196, 2012, pp. 1-3. **(SJR Q1, FI = 2.098)**
- [18] **Allel HADJALI**, Amine MOKHTARI, Olivier PIVERT, "Expressing and processing complex preferences in route planning queries: Towards a fuzzy-set-based approach", *Fuzzy Sets and Systems*, Vol. 196, 2012, pp. 82-104. **(SJR Q1, FI = 2.098)**
- [19] **Allel HADJALI**, Souhila KACI, Henri PRADE, "Database preference queries - A possibilistic logic approach with symbolic priorities", *Annals of Mathematics and Artificial Intelligence*, Vol. 63(3), 2012, pp. 357-383. **(SJR Q2, FI = 0.944)**
- [20] **Allel HADJALI**, Amine MOKHTARI, Olivier PIVERT, "On a fuzzy-rule-based model for handling contextual preference queries", *International Journal of Computational Intelligence Systems*, Vol. 5(4), 2012, pp. 775-788. **(SJR Q2, FI = 1.76)**
- [21] Karim BENOURET, Djamel BENSLIMANE, **Allel HADJALI**, "A Fuzzy Framework For Selecting Top-k Web Service Compositions", *Applied Computing Review*, Vol. 11, N° 3, 2011, pp. 32-40. **(FI = 0.75)**
- [22] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "An approach to competitive conditional preferences for database flexible querying", *International Journal of Intelligent Systems*, Vol 26(3), 2011, pp. 206-227. **(SJR Q1, FI = 2.05)**
- [23] Zohra BELLAHSENE, Salima BENBERNOU, H  l  ne JAUDOIN, Fran  ois PINET, Olivier PIVERT, Farouk TOUMANI, St  phane BERNARD, Pierre COLOMB, R. COLETTA, E. COQUERY, Fabien DE MARCHI, Fabien DUCHATEAU, Mohand HACID, **Allel HADJALI**, Mathieu ROCHE, "FORUM: A Flexible Data Integration System Based on Data Semantics", *SIGMOD Record*, Vol 39(2), 2010, pp. 11-18. **(SJR Q2, FI = 0.698)**
- [24] Patrick BOSC, **Allel HADJALI**, Gabriella PASI, "Flexible queries in information systems", *Journal of Intelligent Information Systems*, Vol. 3(3), 2009, pp. 235-237. **(SJR Q2, FI = 1)**
- [25] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "Incremental controlled relaxation of failing flexible queries", *Journal of Intelligent Information Systems*, Vol. 3(3), 2009, pp. 261-283. **(SJR Q2, FI = 1)**
- [26] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "Empty versus overabundant answers to flexible queries", *Fuzzy sets and Systems*, Vol. 159(12), 2008, pp. 1450-1467. **(SJR Q1, FI = 2.098)**
- [27] Patrick BOSC, **Allel HADJALI**, Olivier PIVERT, "Weakening of fuzzy relational queries: An absolute proximity relation-based approach", *Journal of Mathware & Soft Computing*, Vol. 14(1), 2007, pp. 35-55. **(FI = 1)**
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