



Hana Alouaoui

PhD in computer science

Education

2015: PhD in computer science

ISG-Tunis University, Tunisia

2007: Master degree in computer science: data, knowledge and distributed systems

University of Jendouba, Tunisia

2005: Four-year bachelor degree in computer science

University of Jendouba, Tunisia

2001: Baccalaureate degree in Experimental sciences

Secondary School sakiet, Tunisia

Professional Experience

February 2016–September 2016: Post-doctoral Fellow, University of Strasbourg- France.

- ▶ **Topic:** versatile models for relational data and unsupervised learning tasks.
- ▶ **Laboratory:** Icube, university of Strasbourg.
- ▶ **Supervisor:** Dr. Nicolas Lachiche.

September 2012 – January 2016: Assistant professor at the University of Jendouba- Tunisia.

September 2008 –August 2012: Research Assistant at the University of Jendouba- Tunisia.

September 2010 – September 2015: PhD Student, ISG-Tunis university-Tunisia.

- ▶ **Subject:** Data Mining Approach for Spatiotemporal Relationships Extraction: Application to Natural Risks prediction.
- ▶ **Supervisor:** Prof. Sami Faiz
- ▶ **Date of defense:** September 28, 2015

Research

Research area

- ▶ Data mining / machine learning
- ▶ spatiotemporal data mining / Spatial analysis / Geographical Information systems

Training and events

- ▶ **Internship at INSA** (Institut National des Sciences Appliqués)- Lyon- France. Subject: Spatiotemporal data mining for risks prediction. Supervisor: Prof. Robert LAURINI. 1-31 July, 2011, Lyon, France.
- ▶ **Member of the Tunisian- Egyptian project** "Artificial intelligence for urban risk prediction" September 2012 – January 2014.
Institutions: ENIT (National engineering school of Tunisia) and FCIS-ASU (Faculty of Computer and Information Sciences, Ain Shams University, Egypt).
Laboratories: LTSIRS-Tunisia and AIKERU-CSD (AI & Knowledge Engineering Research Unit, Computer Science Dept) - Egypt.
Directors: Prof. Sami FAIZ and Dr. Mohamed Roushdy
- ▶ **Member of the LTSIRS** (Laboratory of remote sensing and Spatial Information Systems) National Engineers school (ENIT) - Tunisia, 2010-2016.

Publications

- ▶ **International journals with reviewing committee:**
 - ✓ **Alouaoui, H.**, Turki, S.Y., and Faiz, S. (2014). "A neural network based on time series for spatiotemporal relationships prediction", International Journal of Spatial, Temporal and Multimedia Information Systems (accepted paper (in press), 2014)).
 - ✓ **Alouaoui, H.**, Turki, S.Y., and Faiz, S. (2015). "Mining Spatiotemporal Association Rules from Spatiotemporal Databases", International Journal of Knowledge Engineering and Data Mining, Vol 3, No (2), pp- 190-207.
- ▶ **International conferences with program committee:**
 - ✓ **Alouaoui H.**, Mahmoud A., Turki Y., Roushdy M., Faiz S., Boursier P., Salem A.B. (2013). "Temporal Association Rule

Contact me

✉ **Email**
alouaouihana@gmail.com

☎ **Phone**
+216 98 989 075

✉ **Address**
Poste restante bureau de poste
Cite Ghazella
2083 Tunisia

Mining for Thrombosis Detection”, International Workshop on Artificial Intelligence Technologies for Spatial Risk Prediction (AITSRP’2013), Le Caire, Egypte, pp. 215-219.

- ✓ **Alouaoui H.**, Turki S.Y., Faiz S. (2012). “Mining spatiotemporal associations using queries”, Proc. 2nd IEEE International Conference on Information Technology and e-Services (ICITeS’2012), Sousse, Tunisie, Mars 2012, pp. 127-131.
- ✓ **Alouaoui H.**, Turki S.Y., Faiz S. (2011). “Querying and mining spatiotemporal association rules”, In proceedings of the International Conference on Knowledge Discovery and Information Retrieval (KDIR’2011), Paris, France, pp. 402-405.
- ✓ **Alouaoui H.**, Turki S.Y., Faiz S. (2010). “Apport de la technique de fouille de données spatiales dans la prédiction des risques engendrés par les changements climatiques”, 10ème conférence internationale sur l’extraction et la gestion des connaissances (EGC’2010), Hammamet, Tunisie.

▶ International symposiums with program committee :

- ✓ **Alouaoui H.**, Turki S.Y., Faiz S. (2011). “Spatiotemporal datamining for natural risk prediction”, Tunisian Japanese Symposium on Science, Society and Technology (TJASST’2011), Hammamet, Tunisie.

Teaching

- ▶ Optimization of merchant web sites
 - ▶ **Audience:** 2nd year students of Professional Master in Electronic Commerce at FSJEGJ (Lecture)
 - ▶ **Period:** 2012-2013, 2013-2014, 2014-2015 and 2015-2016.
- ▶ Methodologies of SI conception: unified processes
 - ▶ **Audience:** 1st year students of Professional Master in Electronic Commerce at FSJEGJ (Lecture)
 - ▶ **Period:** 2012-2013
- ▶ Advanced Data bases
 - ▶ **Audience:** : 1st year students of Professional Master in Electronic Commerce at FSJEGJ (Lecture)
 - ▶ **Period:** 2013-2014
- ▶ Web programming
 - ▶ **Audience:** 2nd year students of license in computer science FSJEGJ (Lecture)
 - ▶ **Period:** 2012-2013, 2013-2014
- ▶ Groupware
 - ▶ **Audience:** 3rd year students of license in computer science FSJEGJ (Lecture)
 - ▶ **Period:** 2012-2013, 2013-2014, 2014-2015, 2015-2016
- ▶ Algorithms and Data Structures I and II
 - ▶ **Audience:** 1st year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2008-2009, 2009-2010, 2010-2011, 2011-201, 2014-2015 and 2015-2016
- ▶ Methodologies of SI conception
 - ▶ **Audience:** 2nd year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2008-2009, 2009-2010 and 2011-2012
- ▶ Data bases
 - ▶ **Audience:** 1st year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2009-2010, 2010-2011
- ▶ Computers architecture
 - ▶ **Audience:** 2nd year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2008-2009
- ▶ Object oriented methodologies for information systems design
 - ▶ **Audience:** 3rd year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2009-2010, 2010-2011
- ▶ Electronic documents exchange (XML)
 - ▶ **Audience:** 2nd year students of license in computer science FSJEGJ (TD)
 - ▶ **Period:** 2008-2009
- ▶ Programming in C
 - ▶ **Audience:** 1st year students of license in computer science FSJEGJ (Lab works)
 - ▶ **Period:** 2010-2011
- ▶ Programming in C++
 - ▶ **Audience:** 2nd year students of license in computer science FSJEGJ (Lab works)
 - ▶ **Period:** 2010-2011
- ▶ Operating systems
 - ▶ **Audience:** 1st year students of license in computer science FSJEGJ (Lab works)
 - ▶ **Period:** 2013-2014

Languages

- ▶ French: Reading, speaking and writing
- ▶ English: Reading, speaking and writing
- ▶ Italian: Reading and speaking

Referees

- ▶ Imed Riadh Farah, Professor in computer science, Telecom Bretagne (Brest, France)
 - ▶ **Phone:** +216 98 268 745
 - ▶ **Email:** imed.farah@telecom-bretagne.eu
- ▶ Sami Faiz, Professor in computer science, University of Mannouba (Mannouba, Tunisia)
 - ▶ **Phone:** +216 98 342 055
 - ▶ **Email:** Sami.faiz@insat.rnu.tn
- ▶ Talel zid, Associate professor in computer science, University of Saint-Leonard, (Quebec, Canada)
 - ▶ **Email:** zidtalel@gmail.com
- ▶ Sami Yassine Turki, Associate professor in computer science, University of Carthage (Tunis, Tunisia)
 - ▶ **Phone:** +216 98 586 588
 - ▶ **Email:** yassin75@yahoo.com