

Riad MOKADEM

PhD, Associate Professor (*Hors Classe*)
PYRAMIDE team - IRIT lab. Paul Sabatier University,
118 route de Narbonne, 31062 Toulouse, France
45 years old
Nationality: French
Phone: +33 (0)561 557 442
E-mail: mokadem@irit.fr
Website : [Riad Mokadem \(irit.fr\)](http://RiadMokadem.irit.fr)

1. Current Position

I'm an associate Professor (since Sept. 1st, 2007) at [Paul Sabatier UPS, Toulouse 3](http://PaulSabatierUPS.Toulouse3) (UPS). I am teaching at the Computer Science department, and my research is done at the IRIT laboratory (CNRS UMR 5505) in the PYRAMIDE team.

2. University Studies, Positions during studies and Diplomas

11/2020: Ability to supervise researches (Habilitation à Diriger des Recherches - HDR). UPS Toulouse 3.
Contribution to data replication in large scale data management systems. Defended on November 17th, 2020.
07/2006- 08/2007: Post doctoral position at the LAMSADE lab. ex CERIA / [Paris Dauphine University](http://ParisDauphineUniversity).
2006- 2007: Temporary researcher position (ATER) at Denis Diderot University (Paris 7).
2002-2006: PhD in Computer Science at Paris Dauphine University. [PhD Thesis](http://PhDThesis). Algebraic signatures for distributed and scalable database management. Defended on June 23rd, 2006 at Paris Dauphine University. Supervised by Pr W. Litwin (Paris Dauphine University).
2005- 2006: Temporary researcher position (ATER) at Paris-Est Creteil University (Paris 12 Val de Marne).
2003- 2005: Research allowance during my thesis (LAMSADE- ex CERIA, Paris Dauphine University).
2002: Master Computer science (DEA Intelligent Systems). Paris Dauphine University. Sept. 2002.

3. PhD Students Supervising

Seven (7) PhD students (already defended): A. Lazeb (Univ. Oran, Algeria) in Oct. 2023, M. Séguéla (UPS, Toulouse 3) in 2022, A. Khelifa (Univ. Tunis) in 2022, K. Tabet (Univ. Tébessa, Algeria) in 2018, S. Limam (Univ. Oran, Algeria) in 2018, U. Tos (UPS & Univ. Ege Turkey) in June 2017, I. Ketata (UPS, Toulouse 3) in January 2012, M. El Samad (UPS, Toulouse 3) in December 2009.
Actually, supervision of four (4) PhD students: F. Arar (UPS Toulouse 3 & ESI, Algiers, since Apr. 2022), A. Bugnicourt (UPS & MeetDeal, since 2020), H. Bernardin (UPS & Univ. Fianarantsoa Madagascar, since 2019).

4. Publications

The complete list of my publications is presented in Page 3. This list is also available at:

[List of publications on DBLP](#)

[List of publication on Google Scholar](#)

5. Organization/ Edition / Program Committee/ Steering Committees

- In 2011, We have organized the International Conference on Database and Expert Systems Applications (DEXA'2011) which groups 9 conferences and 12 workshops at UPS Toulouse 3 from August 29th to September 2nd. DEXA is considered as one of bests conferences in the data management topic. 450 participants.
- PYRAMID team is the initiator of the Int. Conference on Data Management in Grid and P2P Systems (Globe) (from 2008 to 2015) and the Workshop on Big Data Management in Cloud Systems (from 2015 to 2018).
- In October 2016, we were invited as a guest editor for a '[Special issue on Elastic Data Management in Cloud Systems](http://SpecialIssueonElasticDataManagementinCloudSystems)' in the Int. Journal on Computer Systems Science & Engineering (IJCSSE).
- I am a member of several **conference program committees**: DEXA (since 2010), GLOBE (from 2008 to 2015), BDMICS (2016, 2017 and 2018), BDA (2011 and 2021), CCGRID (2012), iiWas (2013 et 2014), IADIS (from 2008 to 2017), BDAW (2016), PAIS (since 2016), ISNCC (since 2017), ICSOC (since 2019)...etc. I also participate in the evaluation of scientific papers (editorial board ...) in many **international journals**: J. of Grid Computing, Springer, (2016) ; J. of Systems and Software, Elsevier, (2017); Simulation Modeling: Practice and Theory, Elsevier, (2017 & 2019); Int. J. of Grid and Utility Computing, Inderscience, (2017, 2018, 2019); Computer Science & Information Systems, ComSID, (2018); J. of Parallel and Distributed Computing, Elsevier, (2018 & 2021); J. of Cluster Computing, Springer, (2020 & 2021); Int. J. of Cloud Applications and Computing, IGI Global, (2018, 2019 & 2020); J. of Soft Computing, Springer, (2019); Artificial Intelligence, Springer, (2020); Electronis, MDPI, (2020 & 2021). Sensors, MDPI, (2021); Int. J. of Network Management, Willey (2021); Concurrency and Computation: Practice and Experience (CCPE), Wiley , (2021) and TLDKS (since 2010).

6. Scientific Seminars and Invitation (French & foreign universities)

- **University of Copenhagen (Copenhagen, Denmark)**, from 25th to 29th April, 2023. Seminar organized by Pr. Yongluan Zhou/ Data Management Systems ([DMS](#)) lab on Apr. 28th. Context: The [BLATAND](#) Scientific mobility program (funded by the French Institute in Denmark)
- **JKU University (Linz, Austria)**, from 19th to 21st July 2021 as part of the *EFES 2020 Amadeus* project (a French Austrian PHC research project). Presentation title: Data Replication in multi-Cloud Systems.
- **Univ. Uppsala (Sweden)**, from 21st to 26th Apr. 2018. Seminar organized by Dr. K. Orsborn on Apr. 25th. Title: Data replication in large scale environments. Discussion with UDBL research team members.
- Presentation in a research seminar organized at Ecole Supérieure d'Informatique (ESI). Presentation title: Data Replication in Cloud Systems. (**ESI, Algiers, Algeria**). April 27th, 2017.
- Presentation in a research seminar organized by Pr. R. Laouar. Presentation title: Data replication: From grid to Cloud systems. Univ. Tebessa, Algeria. January, 24th, 2016.
- Presentation in a research seminar organized by F. Ben Charrada. Presentation title: Data Replication in Grid Systems. **Faculté des sciences de Tunis, Tunisia**. 20-22 february, 2015.
- **University of Vienna**. Stay from June 20th to 23rd, 2010. Presentation in a research seminar organised by Pr. P. Brezany (June 22nd). Presentation title : Resource Discovery in Data Grids (Another visit on 8th, July 2011).
- Research seminar at **Paris Dauphine University** on July 12th, 2010. Inivitation by Pr. W Litwin. Presentation title: Resource Discovery through SDDS.

7. Scientific collaborations with foreign universities

- **University of Fianarantsoa (Madagascar)**: supervision of H. Bernardin's thesis (in progress, since Sept. 2019) and A. Razafindramanana's Master 2 internship (MISA) (Feb. to Sept. 2017).
- **El Manar University (Tunisia)**: supervision of A. Khelifa's thesis (defended in September 2022).
- **University of Tébessa (Algeria)**: supervision of K. Tabet's thesis (defended in Dec. 2018) and **University of Oran 1 (Algeria)**: supervision of the A. Lazeb's thesis (in progress).
- **University of Ege (Turkey)**: supervision of the thesis in co-tutelle of Uras Tos (defended in June 2017).
- **Univ. of Uppsala (Sweden)**: we plan to submit a PRCI project.
- **JKU University (Linz, Austria)**: we participate together to the *EFES Amadeus 2020* PHC project
- **University of Vienna (Vienna, Austria)** : we have participated to the *PHC Amadeus 2010* project (January 2010- December 2011).

8. Recent Projects and strategic actions

International Projects

PHC Amadeus EFES Project (2020-2021 ; extended to Dec. 2022). An Efficient, Semantics-driven and Economic Multi-Cloud Data Management System. In collaboration with JKU University and SCCH (Linz, Austria).

Scientific mobility

TOR Project (Uppsala University/ UDBL team, Sweden, April 2018) ; The **BLATAND** Scientific mobility program (University of Copenhagen/ [DMS](#) Lab, (Copenhagen, Denmark, April 2023).

National Projects

CIMI MCD Project (2020-2022; Extended to Dec. 2023). An Efficient and Economic Data Management in Multi-Cloud for Scientific Applications. In collaboration with Antananarivo University (Madagascar).

ANR PAIRSE (2009-2013). Preserving confidentiality in P2P environments: a Web Services-based approach. In collaboration with: LIRIS Lab., SEMSOFT company, SWID company, TELECOM Paris Institute and MTIC Lab.

Participation in the [MAESTRO](#) action (Masses de données en ASTRonomie & astrophysique)/**GDR MaDICS** (2016): organization of a [workshop in Toulouse](#) (PYRAMIDE team)

Strategic actions : Participation in the **IRIT strategic** action '[Calcul, Masse de données, IA](#)' (since 2014)

Industry : CIFRE contract (Nov. 2020- Nov. 2023): Supervision (with Pr. Franck Morvan) of a PhD student (A. Bugnicourt). Thesis in collaboration with the **MeetDeal company**.

9. Collective and pedagogic responsibilities

- From April 2014: Member of the [OATAO](#) group (open archive of Toulouse Faculty).
- From September 2015, I am the **co-responsible** of the Master [SID](#) (Science et Ingénierie des Données, ex. Statistique et Informatique Décisionnelle). I am also co-responsible for the **M1 SID alternance** program
- From September 2016, I am a member of the 'Conseil du département d'informatique/ UPS'.
- From February 2014 to April 2019, I participate with W. Bahsoun (Associate Professor, UPS) in the collaboration between the [SID](#) Master (UPS) and the [SID](#) Master (Ecole Supérieure du Commerce [ESCT](#), Univ. Manouba, Tunis) within the **Inter-university cooperation agreement** (SID double diplomas implementation).

10. Teaching activities

My [teaching activities](#) are held in synergy with my research activity. For instance, the database courses cover topics from the fundamental concepts of **databases** to distributed **query optimization** in large scale environments