

Housseem CHEMINGUI, Ph.D

Assistant Professor in Information System

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Research Interests

- Business Process Management
- Information Systems
- Requirements Engineering
- Software Product Lines

Teaching Area Interests

- Process and Data Mining
- Management of Information Systems
- Data Analysis
- Web Development

Academic Background

- 2021: PhD in Computer Sciences, University of Paris 1 Panthéon Sorbonne, France
- 2014 : Research Master in Computer Science, Manar University, Tunisia
- 2012 : Bachelor's Degree in Computer Science Applied to Business Management, Carthage University, Tunisia

Courses Taught

Master level teaching

- Information Systems Management
- Software Engineering
- Web Development and Multimedia

Undergraduate level teaching

- Information Systems Modeling
- Web Design
- Database management
- Python programming Language
- Object-oriented programming
- C2I

Academic Experience

- Present: Assistant-Professor, Brest Business School, France
- 2019 - 2022 : Temporary Lecturer and Research Assistant, Paris 1 Panthéon Sorbonne University, France
- 2015 - 2016 : Contract teacher, Polytechnic School, Tunisia
- 2015 - 2016 : Contract teacher, Higher Institute of Technological Studies of Nabeul
- 2015 : Visiting Teacher, Higher School of Statistics and Data Analysis

Professional Experience

- 2016 - 2021 : Data Analyst - Centre de Recherche en Informatique
- 2013-2014 : Technical Analyst - RIADI Laboratory
- 2011 - 2012 : Webmaster - ELITE Training Center

Peer-Review Journal

- RAHMAN Md. Moklesur, CHEMINGUI Houssem, Evaluation of MIMO DFT-Spread WR-OCDF Scheme for the Spectrum-Efficient Wireless Communication System, *Wireless Personal Communications*, 2026
- BYLYKBASHI Suela, CHEMINGUI Houssem, BAUDIER Patricia, HIKKEROVA Lubica (2024). L'influence de la formation sur l'utilisation de la blockchain, *Management & Prospectives / Gestion 2000*, Volume 41 n°5, Sept – Oct 2024
- CHEMINGUI Houssem, HROUGA Mustapha, Enhancing Reverse Supply Chain Performance via Artificial Intelligence Predictive Solutions, *Supply Chain Forum: An International Journal*, 1–20
- CHEMINGUI Houssem, Crafting Product Configuration Guidance through Process Mining Support, *Business Process Management Journal*
- Devising Configuration Guidance with Process Mining Support, (2022). Houssem CHEMINGUI, Raul MAZO, Camille SALINESI, Ines GAM & Henda BEN GHEZALA. *Software and Systems Modeling*

Other Review Articles

- RAHMAN, Md. Moklesur, CHEMINGUI Houssem (2026). Evaluation of MIMO DFT-Spread WR-OCDF Scheme for the Spectrum-Efficient Wireless Communication System. *Wireless Pers Commun*
- A Process Mining Support for Product Line Configurations. (2020). Houssem CHEMINGUI. *JOJ Sciences*

Refereed Proceedings

- CHEMINGUI Houssem, Process-mining-based orchestration of agentic AI for adaptive learning, 22nd International Conference On Intelligent Tutoring Systems, Pafos, Chypre, 3-5 June 2026
- CHEMINGUI Houssem, "Reimagining Business Processes with Large Language Models," 2025 IEEE 49th Annual Computers, Software, and Applications Conference (COMPSAC), Toronto, ON, Canada, July 8-11, 2025, pp. 1291-1296
- BYLYKBASHI Suela, CHEMINGUI Houssem, PAUGET Bertrand, Les défis de l'innovation managériale face aux territoires numériques : le Cas de Doctolib et de l'intelligence artificielle, 11^o Colloque Santé "Les territoires de l'innovation en santé", Marseille, 20 et 21 mai 2025
- CHEMINGUI Houssem, Harnessing Artificial Intelligence for Next-Generation Software Product Lines - A Vision, 5th International Conference on Software

Engineering, Security and Blockchain (SESBC 2024), Dubai, UAE, August 24-25, 2024

- VENUGOPAL Santhosh, CHEMINGUI Housseem, Peer Influences on AI Adoption in Education: A Copula-Based Approach, 49th EBES Conference, October 16-18, 2024, Athens, Greece
- Fouille de Processus de Configuration dans les Lignes de Produits. (2021). Camille SALINESI., Housseem CHEMINGUI, Ines GAM, Raul MAZO & Henda BEN GHEZALA. Dijon, France
- A Unified Vision of Configurable Software. (2020). Housseem CHEMINGUI., Ines GAM, Raul MAZO, Henda BEN GHEZALA, & Camille SALINESI. (2020). In INFORSID (pp. 93-98). Dijon, France
- Product Line Configuration Meets Process Mining. (2019). Housseem CHEMINGUI, Ines GAM, Raul MAZO, Camille SALINESI, & Henda BEN GHEZALA. (2019). In CENTERIS (pp. 199-210). Sousse, Tunisia
- Product Line Configurations guided by Process Traces. (2019) Housseem CHEMINGUI, Camille SALINESI, Ines GAM, Raul MAZO, & Henda BEN GHEZALA. (2019). In journées nationales du Groupement De Recherche CNRS du Génie de la Programmation et du Logiciel (pp. 133). Toulouse, France
- Product Families for Crisis Management: The challenges of contemporary industry. (2015). Housseem CHEMINGUI, Sabrine EDDÉD, & Ines GAM. (2015). In ISCRAMED. Tunis, Tunisia

Book/Book Chapters

- Housseem Chemingui (dir.), Intelligent Innovations in Autonomous Business Process Management, IGI Global, 06/2026
- Housseem Chemingui (dir.), Redesigning Organizational Information Systems for Productivity and Digital Well-Being, IGI Global, 06/2026
- Housseem Chemingui (dir.), Munir Ahmad (dir.), Advanced AI and Prompt Engineering Techniques and Resources, IGI Global, 09/2025
- Housseem Chemingui, [et al.], OpenStreetMap Empowering Digital Infrastructure for Emerging Markets, in Erum Shaikh, Abdul Samad Dahri (dir.), Converging Economic Policy, Corporate Strategy, and Technology for Emerging Economies, IGI Global, 01/2025
- Housseem Chemingui (dir.), Meriam Lamloumi (dir.), AI-Driven Personalized Healthcare Solutions, IGI Global, 02/2025
- Dina Darwish, Housseem Chemingui, (dir.), Recent Trends in Geospatial AI, IGI Global, 12/2024
- Princy Rana, Munir Ahmad, Taulu Stephen, Housseem Chemingui, Agricultural Intelligence AI's Impact on Society 5.0 Farming, in Rajiv Pandey, Nidhi Srivastava, Rajesh Prasad, [et al.] (dir.), Open AI and Computational Intelligence for Society 5.0, IGI Global, 09/2024
- Housseem Chemingui, [et al.], Revolutionizing Healthcare in the Metaverse: The Power of Blockchain in Examining the Metaverse in Healthcare: Opportunities, Challenges, and Future Directions, Pradeep Nijalingappa, T. Gururaj, S. B. Goyal, [et al.] (dir.), IGI Global, 06/2024
- F. MOBO, A. INAM, S. JOSEPH, M. AHMAD, H. CHEMINGUI, Beyond the Screen AI's Societal Footprint, in DARWISH D. (ed.) Hyperautomation in Business and Society, IGI Global, 05/2024

Other Activities / Memberships

- Since 2016: Member of the French Association of Engineering Systems
- Since 2019: Member of the Process Mining Fluxicon organization