

Research Team

ORA: Optimization, Reasoning and Applications

Team leader: Dr. Dalila Boughaci.
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Thematics

- Reasoning by symmetry
- Answer Set Programming
- Frequent sub-graph mining
- SOA and Cloud Computing
- Tomography and medical imaging
- Speech Recognition and Processing
- Scheduling, timetabling and tasks allocation
- Optimization Techniques and hyper-heuristics
- Intrusion Detection
- Stylometry and Authorship
- Steganography

Members

- Hakim Metiche MAA/U. Djelfa
- Radia Amrouni MAB/USTHB
- Lokmane Chebouba MAB /UMMO
- Raouia Elnagger MAB / UMBB
- Abdallah Razzoug MAB / UMBB

PhD Students:

- Yassine Azzouz
- Mourad Lassouaoui
- Sabrina Bouchene

PhD (LMD) Students:

- Bachir Bahamida
- Hamza Debbagh
- Hocine Sid-Ali Farhi
- Meriem Khalifa
- Yasmine Lahsinat
- Ahlem Ouaddah



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Research Team

IADM: Artificial Intelligence and Data Mining.

Team leader: Prof. Habiba Drias.
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Thematics

- Meta-heuristics and evolutionary approaches
- Nature and biologically inspired approaches
- Complex Problems solving
- Satisfiability Problem
- Ontologies and Semantic Web
- e-commerce, B2B
- Human Machine Interfaces
- Recognition of Arabic script
- Agents technologies
- Data mining and smart Data mining
- Large Scale Information Retrieval



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Members

- Samir Kechid MCA/USTHB
- Sadjia Baba-Ali MCB/USTHB
- ZahiaTamen MAA/USTHB
- Hadia Mosteghanemi MAB/USTHB
- Marwa Djefal MAB/USTHB
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- Fayçal Haniche MAB /U.Khemis

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- Fateh Boucenna
- Houda Boulekrinat
- Redha Mazari

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- Hamid Benachour
- Fateh Boucenna
- Amine Chemchem
- Youcef Djenouri
- Yassine Drias
- Célia Hirèche
- Lyès Khennak
- Zakaria Saoud
- Kamel Eddine Heragmi
- Lydia Driff
- Neyla Benhamouda

Research Team

VA: Artificial Vision.

Team leader: Prof. Slimane Larabi.
Email: slarabi@usthb.dz

Thematics

- Shape description and Recognition
- Contour detection and Image segmentation
- Image Analogies
- Gaze direction estimation
- Human gesture and action recognition
- Image and video database indexing and retrieval
- Image Analysis and Pattern recognition

Members

- Saliha Bouagar MAA/USTHB
- Afifa Dahmane MAA/USTHB
- Djamila Medjahed MAA/USTHB
- Amel Ourahmoune MAA/USTHB

PhD (LMD) Students:

- Amina Bensebaa
- Asma Bellili
- Radia Chabi
- Insaf Setitra



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Research Team

TSI: Images Processing and Synthesis.

Team leader: **Dr. Feryel Souami.**
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Thematics

- Image indexing and search
- Video scene interpretation
- Semantic descriptors

Members

- CHERIF Zahar MA- Univ Blida
- NADIL Malek MA EMP
- BELLALA Fatma-Zohra MAA/ USTHB

PhD (LMD) Students:

- Slimani Khadija



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Research Team

DMAA: Data Mining and Machine Learning.

Team leader: Dr. Nadjjet Kamel.
Email: NKamel@usthb.dz

Thematics

- Data mining
- Machine Learning
- Web mining
- Graph mining
- Pages and Websites analysis
- Social network analysis
- Fraud detection
- Intrusion Detection

Members

- Hamid Necir MCB / USTHB
- Saida Boushaki MAA / U.Boumerdès

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- Yasmina Boughachiche
- Abdelhak Bousbaci
- Mohamed Amine Lamari
- Imène Messaoudi
- Kamel Eddine Heragmi
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- Yasmin Aboubi



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BIR: Bio-Informatics and Robotics

Team leader: Dr. Saliha Aouat.
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Thematics

- Pattern recognition
- 3D Vision
- Iris and fingerprint recognition
- Texture analysis
- Segmentation of textured images
- Gesture and hand posture recognition
- Shape from shading
- Methods for obstacle avoidance

Members

- Nadia Baha-Touzène MCA/USTHB
- Djamila Dahmani MCB / USTHB
- Nacéra Laiche MCB / USTHB
- Abderahmane Daham MAB/U,Béchar
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- Lyes Abada
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- Lamine Benrais
- Izem Hamouchene
- Hadjer Lacheheb
- Fairouz Merrouche



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TALAA: Natural Language Processing, Machine Learning, and Applications.

Team leader: Prof. Ahmed Guessoum.
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Thematics

- Natural Language Processing
- Arabic Language Processing
- Knowledge Engineering and Representation.
- Machine Learning and Applications
- Information Extraction
- Automatic Text Summarization
- Question-Answering Systems
- Machine Translation
- Corpus Building
- Social Networks
- Bio-Informatics
- Semantic Web

Members

- Nassim Zellal MAA /USTHB
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- Asma Aouichat
- Riadh Belkebir
- Aicha Boutorh



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Research Team

RCSI: Knowledge Representation and Inference Systems.

Team leader: Dr. Hamid Azzoune.
Email: hazzoune@usthb.dz

Thematics

- Logic and Constraint Programming
- Arabic natural language processing
- Multi-agent systems
- Algorithmic on words
- Ad hoc networks: protocols based location technology of mobile agents
- Constraint programming applied to bioinformatics

Members

- Nacéra Bensaou MCA / USTHB
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