DOCTORAL CONSORTIUM DETAILS

The NiDS2023 Doctoral Consortium will take place as part of the 3rd International Conference on Novel & Intelligent Digital Systems (NiDS2023) to be held in **Athens, Greece** on **September 28-29, 2023.** It aims to create an attractive scientific forum that brings together PhD students working on foundations, techniques, tools and applications of intelligent digital systems. This will provide an opportunity for graduate students so as to help them pursue their researches under the guidance of a panel of leading experts and senior academics in their fields of interests. More generally, the consortium allows doctoral students to:

- present their research works through a relaxed and supportive environment;

- receive feedback and suggestions from experts, senior academics and peers;

- gain insight, knowledge and understanding about modern intelligent digital systems as well as their future trends;

- shape ongoing and future research projects dealing with intelligent digital systems.

- make discussions about research concerns, leading thus to eventual scientific collaborations;

- broaden the scientific network with other peers and researchers.

ADVISORY BOARD

The Doctoral Consortium advisory board will comment each presentation and at the end of the consortium there will be a general discussion, including a reflection about current and future research topics in the area.

TOPICS OF INTEREST

The NiDS2023 Doctoral Consortium will be organized into three main tracks:

- ***Adaptive and Personalized Systems***
- ***Semantic and Social Web***
- ***Service Science and Software Engineering***

Moe precisely, the topics of interest scope all aspects of computer science related to above-cited tracks by including, but not limited to:

Adaptive Systems ≫ Neural Networks and applications ≫ Affective Computing ≫ Pattern Recognition in applications ≫ Augmented Intelligence ≫ Personalized Systems & Services ≫ Big Data ≫ Pervasive Multimedia Systems ≫ Cloud Computing ≫ Recommender Systems ≫ Cybersecurity ≫ Reinforcement Learning ≫ Data Mining & Knowledge Extraction ≫ Semantic Web Applications ≫ Decision Making Systems ≫ Sentiment Analysis ≫ Deep Learning applications ≫ Serious Gaming ≫ Expert systems ≫ Smart Cities ≫ Fuzzy Systems ≫ Smart Energy ≫ Genetic Algorithm Applications ≫ Social Media Applications ≫ Human-Machine Interaction ≫ Text Mining ≫ Information Retrieval ≫

Ubiquitous Computing ≫ Intelligent Modeling ≫ User Modeling ≫ Multi-Agent Systems ≫ Virtual and Augmented Reality ≫ Natural Language Processing ≫ Web Intelligence≫ Moocs≫ Students' drop out in Moocs≫ Health Sector Applications ≫Tools to Assess Learning ≫ Game-Based and Simulation-Based Learning ≫ Mobile Learning (M-Learning) ≫Feedback and Learning Support≫ Ambient intelligence

DOCTORAL CONSORTIUM REQUIREMENTS AND RULES

The Doctoral Consortium is based on the following requirements and rules:

- It is open only to doctoral students who have started their researches;
- All submitted materials must be in English;
- Each accepted paper at the Doctoral Consortium must be registered and presented at NiDS2023;
- Each paper must be presented by the student;
- Submissions will be evaluated mainly based on their relevance, originality, technical quality and clarity;
- The paper length should not exceed 4 pages;
- Each paper must include the following information:
    - research problem statement;
    - outline of objectives;
    - state of the art;
    - methodology and expected outcome;
    - ongoing works and future directions of the research.

All accepted papers will be included in the NiDS 2023 conference proceeding which will be published by Springer in Lecture Notes in Networks and Systems (LNNS) book series.

HOW TO APPLY TO THE DOCTORAL CONSORTIUM

Papers should be submitted electronically through the online submission system as MS-word or LaTex files. To do so, the templates as well as formatting instructions can be found via the conference link: https://nids2023.iis-international.org/

Once the papers submission is successfully completed, the authors will receive automatic notifications through their emails.

BEST PAPER AWARD

A "Best PhD Project Award" will be awarded to the author of the best article presented at the doctoral consortium of the conference. The selection is made by the chairs based on review scores and comments from the advisory board. The award will be announced during the closing session of the conference. The author of an award-winning article will benefit from:

- An official signed award certificate;
- The announcement of the achievement on a special page of the conference website.

Chair 1:

Karima Boussaha is an Associate Professor in the Department of Mathematics and Computer Science at Oum El Bouaghi University in Algeria. She is obtained her PhD at Annaba University in Algeria at 2016. She is obtained her HU since 2021 at Oum el Bouaghi university.. Her PhD research is based on computer assisted assessment of learners, application in the programming language field. Her main areas of interest include computer-based/assisted assessment, assessment of procedural knowledge and assessment in collaborative learning, computer–supported collaborative learning, and computer supported collaborative tutoring, MOOCs, machine learning, ambient intelligence; artificial intelligence. She collaborates in national and international different scientific activities (program committee member in a lot of conferences, session chair, program committee member in a lot of journals).

Chair 2:

Zakaria Laboudi is an associate professor in the field of computer science at the University of Oum El Bouaghi, Algeria. He is currently a member of the MoVéVaSiS research-team within the ReLa(CS)² Laboratory. He received his MSc degree in computer science from University of Constantine1, Algeria in 2009. He holds a PhD degree in computer science from University of Constantine2, Algeria in 2017. He also holds Habilitation degree (known also as Accreditation to Supervise Research) from University of Oum El Bouaghi, Algeria in 2019. Previously, he joined the SCAL group within the MISC laboratory at the University of Constantine2, Algeria for the period from 2010 to 2018, in which he was invited to collaborate in several research projects and tasks. During his scientific career, he has published more than 20 papers on renowned international conferences and journals including Neural Comput & Applic, Complex systems, JCA, IAJIT, MedPRAI2020, WCCS2019, etc. His current research interests include artificial intelligence, machine learning, optimization and data analysis, ontology-based computing, context-aware pervasive systems, ubiquitous learning, multimedia content adaptation.