

**Professor Amel Ben Abda, ENIT.  
Representative of Tunisia in the Steering Committee of LIRIMA.**



The first Tunisian PhD degree in Applied Mathematics was initiated in the early 1990s by Abbas Bahri, Taieb Hadhri, Ahmed Friaa and Mohamed Jaoua at the National School of Engineers of Tunis (ENIT).

Amel Ben Abda has a Master's Degree in Mathematics at the Faculty of Science in Tunis (85), a Master's Degree in Applied Mechanics (88) at the National School of Engineering in Tunis, and has defended the first Tunisian theses in Applied Mathematics, PhD (93) and HDR (98).

Amel Ben Abda began her career in September 1988 at the Preparatory Institute for Engineering Studies in Nabeul (IPEIN). During the year 92-93, she took the aggregate training in mathematics at the École Normale Supérieure in Cachan. At the beginning of the academic year 93, she joined the team of trainers of the Tunisian Agregation in Mathematics at the Preparatory Institute for Scientific and Technical Studies (IPEST), and was promoted Assistant Professor the same year. She was promoted Lecturer in 98. She was a member of the IPEST Development Council until the beginning of September 1999 when she joined the National School of Engineers of Tunis (ENIT).

Amel Ben Abda contributes mainly in the field of inverse problems by setting up, with Stéphane Andrieux (LAMSID-EDF), his co-supervisor of thesis, fast and inexpensive algorithms for the identification of geometric defects and conditions reconstruction of the limits based on the concepts of deviation from the law of behavior and deviation from reciprocity.

Amel Ben Abda has directed or co-directed a dozen theses of University. She is responsible for the LAMSIN Inverse Problems team since its creation. Since her thesis, she has developed many collaborations, mainly in France (LAMSID-EDF, INRIA) and more recently in Europe (Austria, Sweden). However, Amel Ben Abda remains focused on the Maghreb and the African continent, thus coordinating several Tunisian-Moroccan Bilateral Research Projects. She coordinated the project SARIMA (Support to the Research Activity in Computer Science and Mathematics in Africa) as a representative of the informal network TAMTAM (Tendencies of Mathematical Applications, Tunisia, Algeria, Morocco) and led a project team EPIC (Inverse Problems and Control Team 2011-2014) within the framework of the African Laboratory LIRIMA (International Laboratory of Research in Computer Science and Applied Mathematics - Laboratory without walls integrating INRIA and six African institutions).

Since 2015, she represents Tunisia in the steering Committee of Lirima.