Who is Ahmed-Ould-Khaoua ?

Ahmed Ould Khaoua is an esteemed academic in the field of mathematics, currently serving as a professor at the Universidad de los Andes (UNIANDES) in Bogotá, Colombia. His academic journey and contributions have established him as a significant figure in both local and international mathematical communities.

Academic Background

Ahmed Ould Khaoua holds advanced degrees (D.E.S from l'USTHB Alger; D.E.A and PhD from University Montpellier II, France; Postdoctoral Position in University of the Western Cape, South Africa), although specific details about his educational background are not widely publicized. His academic career has been marked by a commitment to research, teaching, and mentorship within the mathematical sciences. At UNIANDES, he is involved in various courses that cover fundamental and advanced topics in mathematics, catering to undergraduate and graduate students alike.

Research Interests

Ahmed Ould Khaoua's research interests are diverse but primarily focus on :

- **Elasticity and Mechanics** : He has conducted extensive studies on the dynamics of elastic bodies, particularly those connected by thin viscoelastic layers. This area of research is crucial for applications in engineering and materials science.

- **Numerical Methods** : Ould Khaoua has developed numerical tools for solving complex mathematical problems related to elasticity and composite materials. His work often involves computational mechanics, where he employs advanced algorithms to model physical phenomena.

- **Wavelet Analysis** : He has explored wavelet methods applied to engineering problems, particularly in the context of composite materials. This innovative approach allows for efficient analysis of interfaces in heterogeneous media.

Key Publications

Ahmed Ould Khaoua has authored numerous publications that reflect his expertise and contributions to mathematics. Some notable works include :

- **"Numerical study of soft adhesively bonded joints in finite elasticity"** : This paper discusses the behavior of adhesive joints under various loading conditions, contributing valuable insights into material science and engineering applications. It has garnered significant citations, indicating its impact on the field.

- **"Dynamics of elastic bodies connected by a thin soft viscoelastic layer"** : Co-authored with other researchers, this publication examines the dynamic response of elastic bodies linked by viscoelastic materials, providing theoretical and numerical analyses that are applicable in various engineering contexts.

- **"Transient response of thermoelastic bodies linked by a thin layer of low stiffness and high thermal resistivity"** : This research addresses the transient behavior of materials under thermal loads, further showcasing his focus on complex interactions within materials.

Ould Khaoua's work is well-cited across multiple platforms, including Google Scholar and ResearchGate, where he has received recognition for his contributions to applied mathematics and engineering.

Teaching and Mentorship

In addition to his research activities, Ahmed Ould Khaoua is dedicated to teaching at UNIANDES. He plays a crucial role in shaping future mathematicians and engineers through his courses. His teaching philosophy emphasizes critical thinking, problem-solving skills, and real-world applications of mathematical concepts. He also mentors students on their research projects, guiding them through complex mathematical theories and practical implementations.

Contact Information

For those interested in reaching out to Ahmed Ould Khaoua for academic inquiries or collaboration opportunities :

- **Email** : aould@uniandes.edu.co

- ** Home page** :

Cours Title

" Introduction to Spectral Graph Theory and Applications in Numerical Analysis"

Schedule

Day	Date	Time
Monday	02-December	9 :30–11 :05
Wednesday	04-December	9 :30–11 :05
Monday	09-December	9 :30–11 :05
Wednesday	11-December	9 :30–11 :05
Monday	16-December	9 :30–11 :05
Wednesday	18-December	9 :30–11 :05

Who can participate

Professionals from various segments of the University Faculties, Scientists from R&D Institutions, Research Scholars, Students and Corporate Practitioners can attend.

Mathematics Days

With "Ahmed Ould Khaoua "

December 2024

Faculty of Science,
University of Medea

Organized by

Department of Mathemtics and Computer Science
&
Laboratory of Mathematics and its Applications

LMA
Laboratory of Mathematics and its Applications

Mathematics Days

"Mathematics Days" is an academic event designed for master's students, PhD candidates, and teachers passionate about mathematics and its applications. Over the course of seven days, participants engage in enriching discussions and workshops led by an esteemed researcher of Algerian origin. This invited speaker shares insights into their latest research, offering valuable perspectives and fostering collaboration within the mathematical community. The event serves as a platform for learning, networking, and inspiring future innovations in the field.

Location

Conference room, Campus Ouzra University