



Assoc. Prof. Dr. Ligor NIKOLLA

Dean of the Faculty of Computer Science and IT,
Universiteti Metropolitan Tirana

Professor – Specialty: Mathematics

Email: ligor.nikolla@umt.edu.al

Tel.: +355 689085342

Education

- 1992** **Postdoctoral studies in the Interdisciplinary Research Institute, Joseph Fourier University - Grenoble France. (3 months)**
- 1985 – 1989** **Joseph Fourier University, Grenoble I – Grenoble, France**
Ph.D. in Mathematics. Conducted scientific research and achieved the scientific title "Docteur de l'Universite Joseph Fourier Grenoble France, nouveau régime".
- 1984 – 1985** **Pierre and Marie Curie University, Paris 6 - Paris, France**
Master of advanced studies in Mathematics (D.E.A).
- 1974 – 1979** **Tirana University, Faculty of Natural Sciences – Tirana, Albania**
Five years undergraduate studies in Mathematics, finalized with the achievement of the title "Mathematician".
- 1970 – 1974** **"Ismail Qemali" secondary school - Tirana, Albania**
Graduation Diploma

Additional trainings and collaborations

- 2011** Collaboration with the « **Institut des Sciences de la Terre (ISTERRE)** », **Grenoble France**, in the framework of the Excellence projects.
- 2003** **University of Trieste – Trieste, Italy.**
Two months experience exchange and training in the field of numerical analysis and spectral analysis, in terms of reviewing teaching curricula at graduate and postgraduate level, funded by TEMPUS project.
- 1998** **Joseph Fourier University, Grenoble I – Grenoble, France**
Two months experience exchange in the field of spectral analysis, funded by TEMPUS project.
- October 1996** **Polytechnic University of Turin – Turin, Italy.**
Training and experience exchange in the field of distance learning education.

Professional career

- 2021 to present** **Dean of the Faculty of Computer Science and IT,**
Universiteti Metropolitan Tirana.
- 2014 - 2021** **Dean of the Faculty of Mathematical Engineering and Physics
Engineering,** Polytechnic University of Tirana.
- 2009 – 2014** **Head of Mathematical Engineering Department,** Faculty of
Mathematical Engineering and Physics Engineering,
Polytechnic University of Tirana.
- 2008 – 2009** **Vice Dean of the Faculty of General Education,** Polytechnic University
of Tirana.
- 2004 – 2008** **Head of Distance Learning Department,** Polytechnic University of
Tirana.
- 1999 to present** Full-time associate professor of mathematics at the
Polytechnic University of Tirana.
- 1991 – 1999** Professor at the Polytechnic University of Tirana, Department of
Mathematics and Informatics.
- 1989 – 1991** Mathematician at the Geophysical Oil and Gas Enterprise in
Fier, Albania.

Teaching Experience

➤ **Taught lectures and seminars :**

- Mathematical Analysis ;
- Numerical Analysis ;
- Algebra and Geometry ;
- Mathematical Statistics ;
- Complex variable function theory ;
- Signals and systems ;
- Spectral analysis and numerical filters ;
- Numerical treatment of two dimensional signals.

➤ **Author and co-author of teaching materials:**

- Co-author of the postgraduate School of Mathematics Engineering program ;
- Co-author of the postgraduate School of Electrical Engineering ;
- Co-author of the Numerical Analysis Program and the Preparatory Course for the Distance Learning System ;
- Co-author of the Program of Applied Mathematics at the Second Level Master (MND) in Mechanical Engineering ;
- Co-author of First Level Diploma (DNP) and Second Level Diploma (DND) Program in Mathematical Engineering ;
- Co-author of the Doctorate Level Program in Mathematical Engineering ;
- Author of Computational Analysis and Numerical Analysis of First Level Diploma (DNP)

in Electronic Engineering, Albanian University ;

- Author of the "Signals and Systems" subject program (Bachelor in Mathematical Engineering) ;
- Author of the course program "Spectral Analysis and Numerical Filters" (Master in Mathematical Engineering);
- Author of the course program "Numerical treatment of two dimensional signals" (Master in Mathematical Engineering) ;
- Author of the course program "Spectral Analysis and Numerical Filters" (Doctorate in Mathematical Engineering) ;
- Co-author of the "Advanced Mathematics" course program (Ph.D. in Construction Engineering, Hydrotechnics and Environment) ;

Research Interests

- Spectral Analysis and Numerical Filters
- Spectral properties of Schrodinger Operators
- Wave methods

Languages and IT Skills

Albanian	Native Speaker
French	Professional (Certificate of French language studies, Paris, France)
Italian	Fluent (Certificate of Italian language studies, Tirana, Albania)
English	Very good command (Certificate of English language studies, Tirana, Albania)
Macedonian	Fluent (Certificate of Macedonian language studies, Tirana, Albania)
Russian	Conversational
IT skills	Programming languages: FORTRAN, TURBO - PASCAL, BASIC, C++, MATLAB, SIGVIEW. Systems: UNIX, MS-DOS, WINDOWS