

## CURRICULUM

Name: **Maria Cristina Pedicchio**

Date of birth: 9.8.1953

Place of birth: Trieste, Italy

Nationality: Italian

Academic title: Degree in Mathematics at the University of Trieste on 30.10.1976 with marks 110/110 cum laude.

Position: **full professor** of “Algebra” A01B sector, University of Trieste – Faculty of Sciences

Main appointments:

**President** of the “AREA Science Park” of Trieste

**President of the Centre for Molecular Biomedicine**, management body of the Technology District of the Region Friuli Venezia Giulia (Agreement signed in October 2004 by the Ministry for Education, University and Research and the Regional Authority of Friuli Venezia Giulia)

**President** of the Network of national and international research centres in Trieste and in Friuli Venezia Giulia (40 institutions)

**Representative** of the Ministry for Education, University and Research in the Board of Directors of SISSA – International School for Advanced Studies

**Representative** of the Ministry for Education, University and Research at the European Commission in the Group of experts “Increasing mobility and enhancing European cooperation”

**Representative** of the Ministry for Education, University and Research at the European Commission in the “Steering Group on Human Resources and Mobility in the European Research Area”

**Representative** of the Ministry for Education, University and Research at the European Commission in the following working groups:

- *Portability of student grants: legal instruments*
- *Socio economic situation of the Erasmus Students*
- *Quality assurance in Erasmus mobility and compliance with the Erasmus University Charter.*

Member of the **Administrative Board** of the Italian Association for Industrial Research (AIRI)

Member of the **Technical Scientific Board** of the National Agency for the Promotion of European Research (APRE)

Member of the **Administrative Board** of the National Centre for Biological Resources

Member of the **Board of Directors** of the International School of Trieste (IST)

Member of the **Board of Directors** of the United World College of the Adriatic

**Lecturer** of the Master in Management of Universities and Research Institutions at the School of Management of the Politecnico di Milano

Past appointments:

**President** of the Regional Institute for the Right to Academic Education of Trieste

**National President** of the Association for the Right to Academic Education

Member of the Institutional Joint Committee for the Problems of the Slovene Minority

Member of the Board of Directors of the European University Network Santander

**Representative** of the Ministry for Education, University and Research as expert in the working group for the review of laws on the right to academic education

**Co-ordinator** of several European projects

#### **ACTIVITIES WITHIN RESEARCH INSTITUTES**

As President of the **AREA Science Park**, the largest Italian Science and Technology Park, she is fostering several initiatives in the following sectors:

- Technology transfer
- Dissemination of innovation
- Link between academia and industry
- Mobility of researchers
- Training
- Science communication and scientific tourism.

The main purpose is creating an effective and international system to integrate research and SME's.

She is constantly invited as speaker in many national and international meetings on training and education.

#### **SCIENTIFIC ACTIVITIES**

She is an internationally known researcher and author of more than fifty scientific papers in the sector of Mathematics – Algebra, published in important international journals.

She has been invited as visiting professor in the following universities:

- Université Catholique de Louvain (Belgium);
- York University (Ontario, Canada);
- Mac Master University (Hamilton, Canada);
- University of British Columbia (Canada);
- Mc Gill University (Montreal, Canada);
- Università di Milano;
- Sydney University (Australia);
- Cambridge University (U.K.);
- Cape Town University ( South Africa);
- Mount Allison University (Sackville, Canada);
- Brno University (Tzchech Republic);
- Dalhousie University (Halifax, Canada);
- Academy of Science (Budapest, Hungary);
- Charles University (Prague, Tzchech Republic).

She participated as speaker to many international meetings in the sectors of Algebra and Categorical Algebra.

#### **Editorial boards**

- Member of the Editorial board of the international journal “Homology, Homotopy and Applications”
- Member of the Editorial board of the international journal “Applied Categorical Structures”.

#### **Further activities**

- Supervisor of research theses in Mathematics – University of Trieste.
- Supervisor of undergraduate theses and doctoral theses at the University Louvain la Neuve - Belgium.
- Referee in Category Theory for international journals.
- Member of the research groups of the National Council for Scientific Research.
- Organizer of international meetings.
- Editor of the Proceedings of the Meeting CT 90.
- Editor of the volume Atlantis (co-operation UE Canada) “New avenues in the teaching of mathematics” 2004.

Since 1999 she has also published several articles on research and innovation poicies and mobility of human resources such as:

- *International mobility of university students. Policy evaluation and innovative experiences.* Editors Giuseppe De Rita, Anna Laura Trombetti Budriesi, Il Mulino, 2006

## **DIDACTIC ACTIVITIES**

She holds the chair of Algebra in the curriculum for the Mathematics degree of Trieste

Furthermore she lectured in many courses in the sector of Mathematics both for the Faculty of Sciences and for the Faculty of Architecture.

In the many courses she held, she has always involved the students into an active participation to learning by joining the lessons with articulate didactic activities such as seminars, reading and discussion of research papers.

In particular students of the Higher Algebra course have been stimulated into creative studying thus having leading roles in the learning process, and introducing them also to research.

For the students of the first years, in particular in the Basic Math course for Architecture students, innovative teaching formulas have been designed. They have to take into consideration also problem-solving approaches so as to stimulate greater interest and awareness in the learning of Mathematics.

### **Didactic activities abroad**

- in English: “Calculus” course at York University - Toronto - Canada - 1984.
- in French: “Techniques in Categorical Algebra”, Doctoral course at the University of Louvain La Neuve - Belgium - 1994.
- in French: “Mal’cev Categories” course at the University of Louvain La Neuve - Belgium - 1997.
- in English : “Algebraic Theories” course – Summer School - Coimbra - Portugal – 1999.

In the past few years she has also lectured on research and innovation in several universities such as:

- MIP School of Management, Politecnico di Milano
- University of Naples “Federico II”

## **ACTIVITIES IN INTERNATIONAL RELATIONS AND GUIDANCE**

In the past ten years Maria Cristina Pedicchio committed herself with great interest and dedication to the development of a series of initiatives dealing with international activities and the promotion of European projects (and not only) both as far as research and as far as mobility are concerned. She was one of the first promoters of the Socrates activities, to which she gave a relevant boost and she has implemented several innovative initiatives in the sector of mobility between academia and industry. The strong belief that international experiences - including traineeships - have become elements which cannot be renounced for the personal and cultural training of the young people, led her to successfully foster several co-operation projects financed by the European Commission, among which there is a prestigious collaboration project between the European Union and Canada.

She is constantly invited as speaker at national and European meetings on educational and training policies for the youth.

## Main positions and activities

- **Representative** of the Ministry for Education, University and Research at the European Commission in the “Steering Group on Human Resources and Mobility in the European Research Area”.
- **Representative** of the Ministry for Education, University and Research at the European Commission in the following working groups:
  - o *Increasing mobility and enhancing European cooperation*
  - o *Portability of student grants: legal instruments*
  - o *Socio economic situation of the Erasmus Students*
  - o *Quality assurance in Erasmus mobility and compliance with the Erasmus University Charter.*
- **Representative** of the Ministry of Education, University and Research in the Working Group for the review of laws on the right to university education.
- **Expert of the European Commission** for the preparation of the Action Plan for Mobility – Council of Nice 2000.
- **Delegate of the Rector** (University of Trieste) for the European Union’s projects Leonardo da Vinci.
- **Member of the European Board of Directors** of the Santander Group.
- Proposer and co-ordinator of many European projects Socrates/Erasmus, Tempus and Leonardo.
- **Proposer, co-ordinator and director** of several projects for the evaluation of mobility
- Consultant for the Nettuno association (Italian network for long-distance teaching) on European projects dealing with academic learning.
- Author of several articles on students’ mobility, tutoring and the employment of young people.
- Leader and author of many papers on international mobility.
- As President of AREA Science Park she is constantly invited at national and international meetings on research and innovation policies.

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