

Bucharest, 17<sup>th</sup> of June 2014

# **COST MP0904 Action Showcase**

**Woman scientist → Women models in science  
→ Gender balance in science**

**Dr. Researcher Cristina E. Ciomaga**

*Faculty of Physics, Al. I. Cuza University of Iasi 700506, Romania*

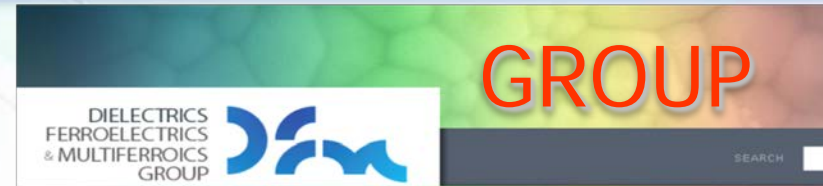
*E-mail address: [cristina.ciomaga@uaic.ro](mailto:cristina.ciomaga@uaic.ro)*



# Are the women well representative in your group?



**Prof. dr. LILIANA MITOSERIU**



**CSIII Dr. Cristina Ciomaga**  
Researcher



**Dr. Lavinia Curecheriu**  
Assistant Professor



**Leontin Padurariu**  
PhD student



**Mihai Pop**  
PhD student



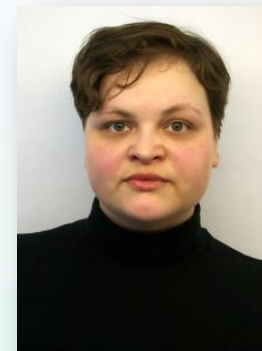
**Dr. Felicia Gheorghiu**  
Researcher RAMTECH



**Dr. Nadejda Horchidan**  
Researcher



**Dr. Mirela Airimioaei**  
Researcher



**Roxana Patru**  
PhD student



**Cipriana Padurariu**  
Master student

# Education and training



- **1996-2001** *Bachelor degree in Physics*, Engineer diploma, Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- **2001-2003** *Master Degree* -Electrical and magnetic properties of fine and ultrafine structures, Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- **2002-2006** *PhD in Physics* -*Suma cum laudae*- „Al. I. Cuza” University of Iași, Romania.

## Work experience

- **2003-2006** CNCSIS National individual research grants for PhD Students(BD type);
- **2006-2007** Assistant Professor on Seminars and Laboratories in Physics, Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- **2006-2009** Assistant Researcher at Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- **since 2009** Scientific Researcher - Fundamental research - at Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- **2010-2013** Project Manager, CNCSIS National grant PN-II-RU-TE 187 (amount of funding ~115.000Euro)
- **2010-2013** Posdoc Research - POSDRU/89/1.5/S/63663 - Physics and scientific communication, Faculty of Physics, „Al. I. Cuza” University of Iași, Romania;
- *participation as member in multiple national grants.*

**Research Field:** Properties of ferroelectric-relaxors and multifunctional composites  
- experimental and theoretical approach.



# Experience in COST Actions

## Started in...

- **2005** when I participated as PhD Student, for the first time at the **Training school**: "*Grain-boundary related phenomena in ceramic materials from micro-to nano-scale dimensions*", **COST 525 European Concerted Action on Advanced Electroceramics** (Project leader: Prof. Robert Freer, UK) at IENI-CNR, Genoa, Italy.

 PhD Student research activity for preparation and structural/microstructural characterization of ferroelectric-relaxors ceramic systems in the laboratories of IENI-CNR & Univ. of Genoa, Italy.

Coordinators: Prof. Paolo Nanni

Dr. Vincenzo Bucaglia

**Dr. Maria Teresa Buscaglia**



✓ 9 ISI Publication (2006-2011)



# Experience in COST Actions

- March **2006** – **Short-Term Scientific Missions** under **COST 539 Action ELENA** (Project leader: **Prof. Biljana Stojanovic**) at *Institute of Science and Technology for Ceramics, National Research Council ISTE-CNR*, Faenza, Italy – 2 weeks.



📖 “First Order Reversal Curves investigation of the switching properties of  $\text{BaZr}_x\text{Ti}_{1-x}\text{O}_3$  ceramics”

Coordinator: **Dr. Carmen Galassi**



✓ 3 ISI Publication (2006-2007)

# Experience in COST Actions



Since 2010...

- **COST MP0904 SIMUFER** (Project leader: **Prof. Liliana Mitoseriu**)

## Participations:

- **2011**
  - The first **ESR Meeting** COST MP0904 SIMUFER in Hasselt University, Diepenbeek, Belgium.
  - COST MP0904 SIMUFER **Workshop** Bordeaux University, France.
  - **Conference for Young Scientists** “The Ninth Students’ Meeting, SM-2011” & “The Second ESR Workshop, COST MP0904”, University of Novi Sad, Serbia.
- **2012**
  - First COST MP0904 **Training School** “*Nanostructured oxides: from laboratory research to industrial applications*”, IENI-CNR, Genoa, Italy.
  - COST MP0904 SIMUFER **Workshop**, Vilnius University, Lithuania.
  - **Joint Conference** COST MP0904 Action SIMUFER & IEEE-ROMSC 2012, Iasi, Romania (organizer).
- **2013**
  - COST MP0904 SIMUFER **Workshop WG3**, ISTE-CNR, Faenza, Italy.
  - **Workshop of all working groups** of COST MP0904, Institute of Physics, Academy of Sciences of the Czech Republic, Prague (CZ).
- **2014**
  - COST MP0904 **Closing Conference and Final MC meeting**, IENI-CNR, Genoa, Italy.

# Collaborations in COST MP0904

- **Dr. Carmen Galassi** - Institute of Science and Technology for Ceramics, National Research Council ISTECCNR, Faenza, Italy



- *"Preparation of multifunctional magnetoelectric composites systems formed by  $\text{Pb}(\text{Zr,Ti})\text{O}_3$  – ferrites"*



✓ 7 ISI Publication (2009-2013)

- **PhD Student Giorgio Schileo** - Christian Doppler Laboratory for Advanced Ferroic Oxides, Sheffield Hallam University, United Kingdom

- *"Dielectric measurements vs. temperature for multifunctional magnetoelectric composites systems formed by  $\text{Pb}(\text{Zr,Ti})\text{O}_3$  – ferrites"*



✓ 1 ISI Publication (2013)





# Collaborations in COST MP0904



**UPMC**  
SORBONNE UNIVERSITÉS

- **Dr. Isabelle Lisiecki**, CNRS, Univ Paris 06, Paris, France

*The high-resolution transmission electron microscopy (HRTEM) investigations of CNT-ferroelectric composites*

**Benefits**

✓ 1 ISI Publication sent to (2014)

- **Submitted Bilateral project** in frame of Romania-France Joint Research Projects - PN-II-ID-JRP-2012.

- **Dr. Marco Deluca**, Institut für Struktur- und Funktionskeramik, Montanuniversität Leoben, Austria



*Raman analysis at room temperature of CNT-ferroelectric composites*

Work in progress



# Collaborations in COST MP0904

- **Dr. Barbara Malič**, INSTITUT JOZEF STEFAN, Ceramics Department K5, Ljubljana, Slovenia



➤ **2012** Bilateral Romania-Slovenia Project: ***“Dielectric spectroscopy and tunability of low-temperature processed complex perovskites”*** (bi-lateral project 536/2012, DISTUNAB)

# Involve in the new COST Actions

## Member substitute in MC of:

- ❖ **ICT COST Action IC1208** „Integrating devices and materials: a challenge for new instrumentation in ICT” (Chair: Prof. José Manuel Otón) (2013-2016)
- ❖ **COST Action IC1304** “Autonomous Control for a Reliable Internet of Services (ACROSS)” (Chair: Rob van der Mei) (2013-2016)

- ❖ In frame of the COST Actions, I met women “models” in science which succeed to have a scientific career/family life balance.

***scientist***



***wife  
mother***





COST Organization promote very well the practice guideline throughout many countries concerning:

- ❑ *structural change of institutions for promoting women's careers;*
- ❑ *integration of sex and gender analysis in the content of research and technology.*

**All is magic when you are wife, mother and scientist woman!**



**Șerban**  
**4 years**



**Clara**  
**7 years**

**Thank you for your attention!**