**United Kingdom of Great Britain and Northern Ireland**

**(347)**

**UNITWIN/ UNESCO Chairs Programme**

**Period of Activity: 1 July 2007-31 July 2008**

**UNESCO Chair in Information and Communication Engineering**

**Report established by:** Professor Florin POPENTIU, UNESCO Chairholder, City
University London

## I. Activities

### 1. Academic activities
*Education*
During the 2007-2008 activity year, the UNESCO Chair offered a course entitled:
Performance Evaluation of Computers
Target group: undergraduate students

*Training*
Title: Software Reliability
Target group: students at The Technical University of Denmark

*Research*
Neural networks for software reliability prediction
Designing Virtual Environments Based on Intelligent
Mechatronic Systems, E-Learning Training Mechatronic System
Risk Pollution in the Cement Plants

### 2. Conferences/ Meetings

Title: Modelling and Analysis of Safety and Risk in Complex Systems
Date and Place: June 24-28, 2008, Saint Petersburg, Russia

Title: Modeling of Complex Systems and Environments
Date and Place: July 16-18, 2007, Ho Chi Minh City, Vietnam

Title: Systemics, Cybernetics and Informatics
Date and Place: June 29- July 2, 2008, Orlando, Florida, United States

**3. Partnerships**
City University London, United Kingdom
École Nationale Supérieure des Télécommunications (ENST), France
École Nationale de Techniques Avancees (ENSTA), France
The Pierre et Marie Curie University, France
The Technical University of Denmark, Denmark
The University "Politehnica" of Bucharest, Romania
The University of Oradea, Romania


**4. Publications**

Article Title: "Transport Phenomenon Simulation for Linear Polymers through Nanometer Pores"
Journal Title: *Materiale Plastice*
Authors: V.P. Paun, M.-A.Paun, A. Toma, C. Ciucu , Fl. Popentiu
Volume 45, Number 1
Year: 2008
Pages: pp.57-60

Article Title: "On Using Soft Computing Techniques in Software Reliability Engineering"
Journal Title: *International Journal of Reliability, Quality and Safety Engineering*
Authors: H. Madsen, P. Thyregod, B. Burtschy, G. Albeanu and F. Popentiu
Volume 13, Number 1
Year: 2006
Pages: 61-72

## II. Impact

The UNESCO Chair in Information and Communication Engineering advances the research, curriculum development and teaching of undergraduate, graduate and postgraduate programs in the field of information and communication engineering. The Chair is in charge of research projects and academic exchanges with partner universities in Europe.

## III. Forthcoming activities

The Chair is committed to the interdisciplinary training for undergraduate, graduate and postgraduate students in information and communication engineering at City University London. A collaborative project with sixteen European technological universities and institutions is envisioned in the future (ATHENS Network). This forthcoming initiative

will promote the exchange of students, professors and researchers between major European universities.