

Curriculum vitae – P.E. Labeau

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1. General information

LABEAU, Pierre-Etienne

Professor in reliability engineering and nuclear engineering

Service de Métrologie Nucléaire (CP165/84)

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2. University degrees

1996: PhD in Applied Sciences (ULB) with the greatest distinction

1992: Master in physics engineering (ULB) with the greatest distinction

3. Teaching activities

3.1. Courses currently lectured

Courses in reliability and safety, nuclear reactor physics, and various aspects of nuclear engineering taught in the masters in physics engineering, in electrical and electromechanical engineering, in materials engineering, in business engineering, and in the master after master in nuclear engineering (BNEN).

3.2. Master theses, postgraduate theses and PhD works supervised

- 51 master and postgraduate theses
- Promoter of 4 PhDs defended and 4 PhDs in progress

4. Publications and scientific activities

4.1. Publications

- Books: 1 in collaboration, 1 as co-editor, 2 parts of collective books
- About 90 publications in international scientific journals and conference proceedings with reviewing committees

4.2. Scientific activities

- Chairman of the international review board on the reactor pressure vessel issue of the Doel 3 and Tihange 2 nuclear power plants (2012)

- Chairman of the jury of the master programs at the “Ecole Polytechnique de Bruxelles” (2012-)
- Chairman of the visitation committee for the scientific and technical evaluation of the Department “Management des Risques Industriels” of EDF R&D (2011)
- Chairman of the Steering and Teaching Committee of the Belgian Nuclear higher Education Network (BNEN) (2010-12), Vice-Chairman (2008-2010)
- Member of the International Steering Committee of the Master in Nuclear Safety and Security, University of Pisa (2010-)
- Member of the Scientific Committee of the « Mastère en Management et Maîtrise des Risques », Ecole Nationale de l’Industrie Minérale (ENIM Rabat), Morocco, 2009-.
- Delegate of the Belgian federal government in the thematic group « Energy » of ESFRI, European Commission (2009-2010)
- Member of the Scientific Commission « Accidental Risks » of the « Institut National de l’Environnement Industriel et des Risques (INERIS) », France (2007-2012)
- Member of the Scientific Council of the « Groupement d’Intérêt Scientifique Surveillance, Sûreté et Sécurité des Grands Systèmes », France (2007-2012)
- Membre of the Scientific Commission « Nuclear energy, radiations and imagery » of the Belgian « Fonds de la Recherche Scientifique (FRS-FNRS) » (2006-2009)
- Chairman of the FRS-FNRS contact group « Industrial dependability » (2005-)
- "Technical Area Coordinator" for the theme "Dynamic Reliability", Esrel’2011 conference
- Member of the Programme Committee Board of the conferences λμ15, λμ16, λμ17 and λμ18
- Member of the Programme Committee of the conferences MOSIM’01, Esrel’2001, Qualita 2003, Esrel’2003, PSAM7 – Esrel’2004, λμ14, Qualita 2005, Esrel’2005, Esrel’2006, MMR06, Esrel’2007, PENTOM 2007, PSAM8, Euromaintenance08, Esrel’2008, Qualita’2009, CIE’2009, Esrel’2009, PENTOM 2009, Esrel’2010, PSA2011, Esrel’2012 ...
- Chairman of sessions during these conferences
- Referee for international journals (Annals of Nuclear Energy, Reliability Engineering and System Safety, Nuclear Science and Engineering...) and conferences (Esrel and PSAM conferences, conferences QUALITA, MOSIM, λμ ...)

4.3. Awards and distinctions

- Member of the jury of 24 PhDs (11 in France, 1 in Spain).
- Member of the jury of the « Research and Industry » awards of the « Institut pour la Maîtrise des Risques », France, 2008, 2010, 2012.
- Invited professor at the Ecole Nationale de l’Industrie Minérale, ENIM (Rabat, Maroc) in the « Mastère en Management et Maîtrise des Risques » (February 2010): « Outils de la sûreté de fonctionnement des installations » (12h).
- Invitation to give a Plenary lecture during PSAM11-Esrel2012, Helsinki, 29/06/2012.
- Invitation to give the Opening Plenary Lecture of Esrel’2009, Prague, 07/09/2009.
- Invited professor at the University of Technology of Helsinki (April 2008): “Reliability, Availability, Maintainability and Safety Modeling of Industrial Systems” (24h).
- CEN-SCK - Prof. Roger Van Geen Award 2003.

- Solvay Award 1996.
- R. Pankowski - P. Kipfer Award 1992.
- C. Frerichs Award 1992.