



## CV Sebastião Feyo de Azevedo

Executive Summary, updated on 31 January 2012

E-mail: [diretor@fe.up.pt](mailto:diretor@fe.up.pt) URL: <http://www.fe.up.pt/~sfeyo/>

**Sebastião José Cabral Feyo de Azevedo** - Born in Porto, Portugal, on June 1<sup>st</sup>, 1951

**Academic Degrees** - Licence (Second Cycle degree) in Chemical Engineering, University of Porto, Portugal (1973); Ph.D. in Chemical Engineering, University of Wales (Swansea), UK, 1982; 'Habilitation' in Chemical Engineering, University of Porto, Portugal (1996)

**Present professional position** - Professor of Chemical Engineering since February 1998, Department of Chemical Engineering, Faculty of Engineering of the University of Porto (FEUP); Researcher of the Research Unit LEPAE - Laboratory for Process, Environment and Energy Engineering

**Areas of research interest** - Process Systems Engineering; Instrumentation and control; management of Higher Education; Bologna Process and Engineering Education with emphasis on Chemical Engineering Education

**Teaching activity** - Along the years, responsible for teaching of Numerical Methods, Process Dynamics and Control, Instrumentation and Industrial Informatics, both at bachelor and master level

### Membership of professional and academic organisations

- Fellow of the Portuguese Ordem dos Engenheiros (Engineers Portugal)
- Member of the Portuguese Academy of Engineering (by invitation)
- Founder member of the Portuguese Association for Automatic Control (APCA)
- Founder member of the Portuguese Association of Engineering for Development and Humanitarian Assistance
- Certified member "ING-PAED IGIP - International Engineering Educator" of IGIP - Internationale Gesellschaft für Ingenieurpädagogik (2011 - )

### Main institutional functions and activities

In academic and scientific management at the University of Porto (current functions in blue)

- Dean of the Faculty of Engineering, University of Porto (July 2010 - )
- Member of the Scientific Council of the PhD programme in Chemical, Petrochemical and Refining Engineering (2010 - ) e Director of Studies since 2011
- FEUP's representative in the Council "Industry and University" of AIPQR - Association of Chemical, Petrochemical and Refining Industries (2009 - )
- Member of the General Council of EGP - University of Porto Business School (2010 - )
- Member of the General Council of the University of Porto (July 2009 - July 2010 )
- Member of the Council of Representatives of FEUP (March-April 2010)
- Head of Department, Chemical Engineering, FEUP (2001 - March 2010)
- Member of the Statutory Council of FEUP (June-November 2009)
- Director of First and Second-cycle Studies in Chemical Engineering at FEUP (2001 - 2006)
- Member of the Executive Board of FEUP (1997 - 2001)
- Director of the Research Unit 'Institute for Systems and Robotics - Porto' (1997 - 2007)
- Chairman of the National Board of the Institute for Systems and Robotics (1997 - 2003)
- Director of Postgraduate Studies, M.Sc. in Automation, Instrumentation and Control, FEUP (2001-2003)
- Responsible for International relations of the Department of Chemical Engineering, FEUP (1989-2001)

**With the Administration, at national and international level (current functions in blue)**

- **Member of the National Council for Science and Technology (2012 - )**
- National Delegate in the BFUG-Bologna Follow-up Group by appointment of the Minister of Science, Technology and Higher Education (October 2004-June 2005; December 2006-July 2010 )
- Chairman of the BFUG during the Portuguese Presidency of the EU (July-December 2007)
- Member and Co-ordinator of the National Bologna Experts Group (2007-2008)
- Co-ordinator of the National Follow-up Group for the Bologna Process, by appointment of the Minister of Science, Technology and Higher Education (February 2006 - 2009)
- Adviser to the Minister of Science, Innovation and Higher Education for the Bologna Process and National Coordinator of the Bologna Process (November 2003 - February 2005)
- Chairman of the Working Group of the Chemical Sector for EC Directive on Integrated Pollution Prevention and Control, by appointment of the Minister of Environment (June 2002 - April 2003)

**With the professional association, at national and international level (current functions in blue)**

- **Member of the Administrative Council and Vice-President of ENAEE - European Network for Accreditation of Engineering Education (2009-2012)**
- National Vice-President and Chairman of the National Admissions and Qualification Board of Ordem dos Engenheiros/Engineers Portugal (April 2004 - March 2010)
- Representative of Engineers Portugal in the General Assembly of ENAEE-European Network for Accreditation of Engineering Education since its foundation in 2006 till March 2010
- Chairman of the National Committee FEANI- Fédération Européenne d'Associations Nationales d'Ingénieurs and representative in FEANI's General Assembly (2004 - March 2010)
- Member of the National Admissions and Qualification Board of Engineers Portugal (1993-1998; 2001-2004 )

**In international associations for education and science (current functions in blue)**

- Founder and member of the Administrative Council of ECEENA - European Chemical Engineering Education Network Association, International non-profit Association under Belgium Law, (2009-2011)
- Chairman for September 2007 - August 2010 of the Working Party on Education of the European Federation of Chemical Engineering (WPE-EFCE) (and Portuguese delegate to this Working Party since 1999)
- Member of the European Union Control Association's (EUCA) Administrative Council (1999-2003, Treasurer from 2001 to 2003)
- Member of the Board of the Section of Biochemical Engineering Science of EFB (1995 - 1999)
- Portuguese delegate of the Portuguese Society of Biotechnology to the WP on Measurement and Control of the European Federation of Biotechnology (1989 -1999) and Vice-president of this WP from 1995.

**As evaluator of education, science and innovation (current functions or recent activity in blue)**

- **Member of the Editorial Board of the 'Journal of the University of Chemical Technology and Metallurgy', Sofia, Bulgaria (2010 - )**
- **Member of the Editorial Board of the International Journal of Quality Assurance in Engineering and Technology Education (2011 - )**
- External examiner of the undergraduate Chemical Engineering Programme of University College Dublin (2009 - 2011)
- National co-ordinator of the Evaluation Board for research grants in the area of chemical engineering of the National Foundation for Science and Technology (2006 - 2009)
- Member of the International Evaluation Panel of research at the University of Lund (2008)
- Member of the Evaluation Panel of the Operational Plan for the Portuguese Economy, by appointment of the Minister of Economy - (March 2001 - April 2002)
- Evaluator for the Portuguese Innovation Agency (2002)

- Reviewer or Evaluator for CESAME - Center for Systems Engineering and Applied Mechanics, University of Louvain (2002) and for the Australian Research Council (2000)
- Referee for scientific international journals, namely Education for Chemical Engineers, Industrial Engineering Chemistry Research, Chemical Engineering Research and Development, Chemical Engineering Science, Computers and Chemical Engineering, International Journal of Heat and Mass Transfer, J. Process Control, Sensors & Actuators, Robust and Nonlinear Control

#### **As organizer of science and education events**

- Organizer of the Annual Meeting of the EFCE Board with Working Party and Sections Chairpersons, 16 April 2010
- Organizer of the Business Meeting of the WP on Education, European Federation of Chemical Engineering, Porto, Portugal, 11-12 September, 2009
- Responsible for the organization of the Symposium 'Chemical Engineering & Society: Promoting academic and Professional mobility - international recognition of chemical engineering qualifications', in WCCE8 - 8<sup>th</sup> World Congress of Chemical Engineering, 27 August 2009, Montreal, Canada
- Chairman of the Official Bologna Seminar on 'Development of a Common Understanding of Learning Outcomes and ECTS', Porto, Portugal, 19-20 June 2008
- Co-ordinator of 4 Seminars within the activity of the Portuguese Bologna Experts (April-June 2008)
- Chairman of the BFUG - Bologna Follow-up Group Meeting, Lisbon, Portugal, 2-3 October 2007
- Executive Director of the Organizing Committee of ECC-European Control Conference 2001, Porto, Portugal, 3-7 September 2001
- Organizer of Summer School on BATCHPRO - Control of batch processes, Porto, Portugal, 31 August - 2 September 2001
- Organizer of the Meeting of the European Network - EuroChem, Porto, Portugal, 23-24-March, 2001
- Organizer of the Business Meeting of the WP on Education, European Federation of Chemical Engineering, Porto, Portugal, 17-18 February, 2001
- Chairman of the Organizing Committee of the Second European Symposium on Biochemical Engineering Science, Porto, Portugal, 16-19 September, 1998

#### **Summary of main productivity indices of R&D**

- Participant in 9 national projects, of which 6 as Coordinator and/or Scientific Director
- Portuguese coordinator of 14 international projects
- Executive Director of 1 NATO 'Science for Stability' project
- Responsible for running 20+ years-equivalent of R&D contracts with the Industry
- Chair or member of 120+ PhD examination panels and/or academic professional selection panels
- Supervisor or co-supervisor of 12 Ph.D. and 3 M.Sc. theses concluded
- Co-author of 45 refereed publications in SCI Journals
- Co-Editor of 1 book (Conference Proceedings)
- Co-author of 8 book chapters
- Author or co-author of 75+ refereed scientific conference papers
- Author or co-author of 16 pedagogical documents related to his teaching activities
- Author of 50+ opinion and dissemination papers, in journals, workshops, conference proceedings and national newspapers, addressing matters of the engineering profession and education, namely issues of the higher education reforms associated to the Bologna Process
- Author of 140+ invited conferences, seminars and/or advanced courses, both in scientific and education matters, with emphasis in the higher education reforms associated to the Bologna Process

- Recipient of 2 international prizes for best presentation in technical and scientific meetings (SIT-Sugar Industry Technologists Inc., USA, 1993; World Congress on Particle Technology, 1998)