

Curriculum Vitae of Alfredo Squarzoni

Alfredo Squarzoni was born in Genoa on 26/07/1944.

He got the degree in Mechanical Engineering from the Genoa University (GU) on April 14th 1969 with 110/110 “summa cum laude”.

From April 1969 to July 1970 he served in the Pioneer Corps of Engineers as a reserve second-lieutenant.

From July 1970 to January 1971 he was the holder of a National Research Centre scholarship at the Department of Applied Mechanics of the Engineering Faculty (EF) of GU.

From February 1971 to September 1973 he worked with Italian Esso Standard in the Milan Technical Assistance Department of the Research and Development Section as manager for industrial lubricants for the Piemonte, Liguria and Valle d’Aosta Regions.

Academic career

From October 1973 to December 1980 he was Professor’s Assistant to the chair of Machine Design of the Engineering Faculty (EF) of GU.

From 1973/74 academic year to December 1980 he was lecturer of Machine Design (until 1974/75 academic year, Naval Engineering Programme) and ‘Complements of Machine Design’ (since 1975/76 academic year, Mechanical Engineering Programme) and stabilized in this task from December 1978 to December 1980.

From December 1980 to December 2010 he was Full Professor of Machine Design at the EF of GU.

From January 2011 to October 2014 he was Contract Professor at the EF of GU.

Since 4 January 2012 he is Professor Emeritus at the EF of GU.

Academic Positions

From 1973/74 to 2010/11 academic year he taught students in Mechanical Engineering, Naval Engineering and other specializations in the mechanical design sector.

From 1980/81 academic year to 1985 he was President of the Mechanical Engineering Programme at the EF of GU.

From 1987/88 to 2001/02 academic years he was Dean of the EF of GU.

From 1997/98 to 2001/02 academic years he was President of the *Conferenza dei Presidi delle Facoltà di Ingegneria Italiane* (Conference of the Deans of Italian Engineering Faculties) (CoPI).

In this period, he was actively involved in national Engineering study reform, also as a member of the Ministry Working Group for the reform of Engineering and Architecture studies, which passed in November 1999.

From 2001/02 to 2003/04 academic years he was responsible of the *CampusOne* Project for the GU.

Since 2002/03 to 2007/08 he was Director of the Department of Mechanics and Design of Machines of GU.

From 2009 to 2010 he was member of the Commission for the Policy for Quality and Quality Assessment Methods of GU.

He was Coordinator of the Tempus project n. 517340-TEMPUS-1-2011-1-IT-SMGR “*Documentation or Quality Assurance of Study Programmes (DoQuP)*” (15.11. 2011/14.05.2015), partner countries Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, applicant GU.

He is Scientific Coordinator for UniGe and responsible of WorkPackage 2 in the Tempus project n. 530326-TEMPUS-1-2012-1-TEMPUS-SMGR “*Quality of Engineering Education in Central Asia*”

(QUEECA)” (15/10/2012-14/10/2015), partner countries Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, applicant University of Florence.

He is Scientific Coordinator of the Tempus project n. 543727-TEMPUS-1-2013-1-IT-TEMPUS-SMGR “*Online Quality Assurance of Study Programmes (EQUASP)*” (01.12.2013/30.11.2016), partner country Russian Federation, applicant GU.

He represents GU and is one of two coordinators of the Subject Area Group in Civil Engineering in the project “*Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe (CALOHEE)*” in the framework of the EU Call Forward Looking Cooperation Projects (01/01/2016-31/12/2017), overall coordinator Groningen University (International Tuning Academy).

Academic interests

His scientific interests were related to structural analysis, mechanical design methods and mechanics of materials. He is author of 80 scientific papers in the period from 1975 to 1990, published or presented mainly in national journals and conferences.

Since the late nineties his academic interest is mainly devoted to quality assurance and quality assessment of first cycle, second cycle and, more recently, third cycle programmes not only in Engineering. His activity in this field is documented by papers, presentations and relations in many national and international conferences and meetings.

Other titles

From 1990 to 2006 he was the President of the Commission for Certification of the *Istituto Italiano della Saldatura* (Italian Institute of Welding).

From September 2001 to September 2009 he was member of the Council of the *Ordine degli Ingegneri* (Order of Engineers) of the Genoa Province.

From November 2001 to 2010 he was member of the Steering Committee for the quality assessment of University programmes of the *Fondazione della Conferenza dei Rettori delle Università Italiane* (Foundation of the Conference of the Rectors of Italian Universities) (CRUI Foundation).

In this context:

- he is co-author of the *Modello CampusOne* (CampusOne Model) for the evaluation of the programme quality in the context of the *CampuOne* project (2001/2004) and of the following revisions (*Modello 2005, Modello 2006, Modello 2007*);
- he is co-author of the electronic book *Assicurazione della Qualità dei Corsi di Studio universitari: il Modello CRUI* (Quality Assurance of University Programmes: the CRUI Model) and author of the *Guida alla Compilazione del Rapporto di Autovalutazione associato al Modello CRUI per l'AQ dei CdS universitari* (Guide to the Filling-in of the Self-Assessment Report associated to the CRUI Model for the QA of University Programmes), published on the website of the CRUI Foundation;
- he is co-author of the Guidelines *Applicazione della norma UNI EN ISO 9001:2000 alla attività formativa universitaria* (Application of the Norm UNI EN ISO 9001:2000 to University Educational Activity), edited by UNI - *Ente Italiano di Normazione* (UNI - Italian Body for Standardization);
- he is co-redactor of the documents *Linee guida CRUI per l'applicazione della riforma ex DM 270/2004 secondo criteri di qualità* (CRUI Guidelines for the Application of the Reform ex DM 270/2004 according to Criteria of Quality) e *Requisiti per l'assicurazione della qualità dei corsi di studio universitari* (Requirements for the Quality Assurance of University Programmes), published on the website of the CRUI Foundation;
- he taught courses for the training of self-assessors at the premises of CRUI and of the Universities of Bologna, Cagliari, Calabria, Firenze, Genova, Modena, Napoli Federico II, Padova, Pisa, Salerno, Siena, Venezia;
- he taught courses for training external assessors for the admission to the Register of the CRUI Assessors;
- he was external assessor of programmes of the Faculties of Agriculture, Architecture, Economics, Pharmacy, Law, Engineering, Humanities, Medicine and Surgery, Education Sciences, Mathematical

Physical and Natural Sciences, Political Sciences of the Universities of Cagliari, Firenze, Genova, Milano, Modena, Molise, Napoli Federico II, Napoli Orientale, Perugia, Pisa, Salerno, Siena, Torino, Trento, Trieste, Venezia, Verona, Viterbo.

On February 2002 he was appointed Academician in the Class of Physical, Natural, Mathematical and Medical Sciences by the *Accademia Ligure di Scienze e Lettere* (Ligurian Academy for Arts and Sciences).

From April 2003 to December 2008 he was member of the Administration Board of *Ansaldo Segnalamento Ferroviario* (Railway Signalling Ansaldo) Company.

He represented the Conference of the Deans of Italian Engineering Faculties (CoPI) in the projects *EUR-ACE: Accreditation of European Engineering Programmes and Graduates* (2004/2006) and *EUR-ACE Implementation: Implementation of a European System for Accreditation of Engineering Education* (2006/2008) within the Socrates Programme, and *EUR-ACE Spread: European Engineering Accreditation* (2008/2010) within the Lifelong Learning Programme.

He worked together with other European partners to the establishment of the *European Network for Accreditation of Engineering Education* (ENAE). From 2006, year of its constitution, to 2011 he represented CoPI in the ENAE General Assembly and since April 2012 he is member of the ENAE *Administrative Council*.

From 2006 to 2018 he was member of the *Editorial Board* of the *European Journal of Engineering Education*.

From January 2009 to October 2015 he was president of the *Nucleo di Valutazione* (Assessment Committee) of the Foggia University. From February 2013 to October 2014 he was president of the *Coordinamento nazionale dei Nuclei di Valutazione delle Università Italiane* (National Coordination of the Assessments Committees of Italian Universities) (CONVUI).

Since February 2011 he is member of the Steering Committee of the *Agenzia per la certificazione della qualità e l'accreditamento EUR-ACE dei corsi di studio in ingegneria* (QUACING Agency).

In this context:

- he taught training courses for the admission to the Register of the Assessors of the QUACING Agency;
- he was external assessor of Engineering Programmes of the Engineering Faculties of the Milan Polytechnic, Turin Polytechnic, University of Salerno and Sapienza Roma.

Since July 2014 he is Director of the Agency.

From June 2011 to May 2014 he was member of the Directive Council of the *Istituto Italiano della Saldatura* (Italian Institute of Welding).

Since June 2014 he is enrolled in the Register of Evaluation Experts, profile 'System Expert', of the *Agenzia Nazionale di Valutazione del sistema Universitario e della Ricerca* (National Agency for the Evaluation of Universities and Research Institutes) (ANVUR).

In this context he already took part in the accreditation process of the Telematic Universities San Raffaele, e-Campus, Pegaso and Marconi and of the Universities of Piemonte Orientale, Palermo and Verona as president of the *Commissione di Esperti della Valutazione* (Commission of Evaluation Experts) (CEV) and of the Universities of L'Aquila, Macerata, Modena & Reggio Emilia, Politecnica delle Marche and Cà Foscari (Venice) as member of the CEV.

On June-July 2018 he held a training course for Evaluation Experts, profile System Experts, of ANVUR

Since November 2016 he is President of the *Presidio della qualità* (Quality Committee) of the University Campus Bio-Medico of Roma.

Since January 2017 he is coordinator of the *Technical Committee on Engineering Education and Professional Qualification* of the *Engineering Association of Mediterranean Countries*.

Genova, 21 February 2019

Alfredo Squarzoni
