CURRICULUM
OF THE PROF. SERGIO FICHERA

1. General information
Born in Catania on 25 December 1960
E-mail: sergio.fichera@unict.it

2. Current position
Full Professor of the scientific disciplinary sector ING-IND/16 Technologies and Processing Systems at the Department of Civil Engineering and Architecture of the University of Catania.

3. Positions previously held
Manager of the ISO 9001 Quality System and Manager of Management Control at Agrofil Scarl in Catania.
Researcher in the scientific disciplinary sector ING-IND/16 Technologies and Processing Systems at the Department of Industrial and Mechanical Engineering of the University of Catania.
Associate Professor of the scientific disciplinary sector ING-IND/16 Technologies and Processing Systems at the Department of Industrial and Mechanical Engineering of the University of Catania.

4. Educational and professional qualifications
Degree in Civil Engineering from the University of Catania, with marks of 110/110 cum laude.
Master in Business Administration at the School of Business Administration of the University of Turin.

5. Specialization courses
Qualified evaluator of quality systems compliant with ISO 9000 standards issued by the Det Norske Veritas Italia Certification Body.

6. Educational activity
The teaching activity has been carried out continuously since the academic year. 1996-96 to date as part of the courses of the SSD ING-IND16 "Technologies and Processing Systems". The courses held were:

- Mechanical Technology
- Industrial Quality Management
- Management of Production Systems
- Production Systems of Goods and Services
- Special Technologies
- Manufacturing Process Technology

He was nominated in the academic years 1998-99, 1999-00, 200-01 and 2023-24 among the **experts** of the industrial sector by the State Examinations Commission, for the qualification to practice the profession of Engineer in the Province of Catania.
He was a **member** of the Teaching Qualification Exam Commission for Special Qualifying Paths, classes A071 and A020, in the 2013-14 academic year.
He was a **member** of the Teaching Qualification Exam Commission for Active Training Internships, classes A071 and A020, in the academic years 2012-13 and 2014-15.

He has supervised numerous **degree theses** (over 100) of students enrolled in degree courses in Mechanical Engineering and Management Engineering.
He acted as **teaching tutor** (over 60 students) for the compulsory internships included in the study plans of the Management Engineering Degree, Master's Degree in Management Engineering and Master's Mechanical Engineering courses from the academic year. 2003-4 to present.
He carried out **tutoring** activities as part of the Orientation and Tutoring project promoted by the Faculty of Engineering of the University of Catania for students enrolled in the 1st and 2nd year of the Degree course in Industrial Engineering in the academic years 2010-11 and 2011-12.
He was the Departmental **contact professor** for the Erasmus agreements with the University of Nantes, France from 2004-5 to 2011-12 and with the Anestimo Dytikis Makedonia University, Greece in the years 2012-13 and 2013-14.
He was **President** of the commission for qualifying exams to teach the Technological Course 9 of the Sicilian Interuniversity School of Specialization for Secondary Teaching in the years 2004, 2005, 2006.
He was **President** of the selection exam commission for admission to the Technological courses of cycles V, VI, VII, VIII and IX of the Sicilian Inter-university Specialization School.
He was part of the **committee** of the PhD in Systems Engineering at the University of Catania. Today he is still a member of the **committee** of the PhD in Complex Systems of the Department of Physics of the University of Catania.
He was **supervisor** of the Doctoral Theses:

- Doctorate in Systems Engineering from the University of Catania in the XX cycle, Phd Eng. E. Trovato and XXVI cycle, Phd Eng. Fulvio Cappadonna.
- Doctorate in Production Engineering from the University of Palermo, XIV cycle, Phd Eng. Giovanni Celano.
- Doctorate in Structural Mechanics from the University of Catania, XV cycle, Phd Eng. Antonio Costa and XVII cycle, Phd Eng. Rino Santangelo.
- Doctorate in Production Systems Engineering from the Polytechnic of Turin, XVI cycle, Phd Eng. Maria Gabriella Gugliemino.

He was a **member** of the Evaluation Team of the Production Engineering PhD at the University of Palermo in 2008, 2009, 2010 and 2011.

7. Academic Activities

He was **President** of the Sicilian Interuniversity School of Specialization for Secondary Teaching of the University of Catania for the three-year period 2007-10.
He is currently **President** of the Master's Degree Management Engineering Course Council
He is currently Research **Delegate** of the Department of Civil Engineering and Architecture
From 2000 to 2007 he was appointed **member** of the Board of the Sicilian Interuniversity School of Specialization for Secondary Teaching in the capacity of coordinator of the technological direction.
He was the Rector's **delegate** in 2007-08 for the drafting of the University Regulations of the Sicilian Interuniversity School of Specialization for Secondary Teaching of the University of Catania.
In 1998 he participated as a **member** of the self-evaluation commission in the Campus Project for the Degree Diploma in Electrical Engineering and contributed to the drafting of the Quality Manual for the Diploma course in Electrical Engineering.
In 2001 he participated as a **member** of the self-evaluation commission in the Campusone Project for the Degree Course in Computer Engineering.
He was a **member** of the Scientific Commission for Industrial Engineering of the University of Catania in the three-year period 2002-04.

He was a **member** of the Staffing Commission of the Faculty of Engineering of the University of Catania in the three-year period 2002-04.
He was Erasmus and Internationalization **Delegate** for the Faculty of Engineering in the three-year period 2007-11.
It was in the academic year 2002-03 **member** of the Self-evaluation Commission of the Mechanical Engineering Teaching Area Council
In 2008 he participated as Scientific **Manager** in the realitation of the Industrial Process Simulation Laboratory at the Department of Industrial and Mechanical Engineering of the University of Catania.
He was a member of the Management Committee of the Industrial Process Simulation Laboratory
He was **Quality** Manager of the Industrial Engineering Department in the years 2014-2016.
He was a member of the **Quality** Presidium of the University of Catania in 2016.

8. Research Activities

Prof. Sergio Fichera's scientific activity took place in the "Technologies and Processing Systems" sector.
The entire scientific production consists of 80 publications, 1423 citations and H-index=24, source www.scopus.com.
He has **participated** as a member and manager in national and international research projects.
He has **participated** as a speaker in numerous national and international conferences.
In 1997 he won the competition promoted by the municipality of Catania "10 Projects to change public administration" presenting the project "Service charter for the Faculty of Engineering".
He acted as **referee** of manuscripts submitted for publication on behalf of the following international journals:

- International Journal of Production Economics,
- International Journal of Production Research,
- Computer Industrial Engineering
- European Journal of Operational Research,
- Computers & Operations Research
- Operational Research: An International Journal.
- Swarm and Evolutionary Computation
- International Journal of Operations and Quantitative Management
- Applied Mathematics and Computation
- Advances in Mechanical Engineering
- The International Journal of Quality & Reliability Management

He is a member of the Italian Association of Mechanical Technology (A.I.Te.M.)
He was a **member** of the Commission for the issuing of the National Scientific Qualification of sector 09/B1.

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