



Short CV of Prof. Ing. Michele Ciavarella (ENGLISH). April 2022

Main biographic data. Born in Bari in 1970. Married, one child.

Languages: Proficient in English, reasonable French. Elements of Russians, German and Spanish.

Education: Graduates from Politecnico di BARI in Mech Eng in 1994 cum Laude and first of his cohort of 200. Second graduated 1.5 years later.

Education: PhD in Mech Eng at Politecnico di BARI and University of Oxford under Prof. DA Hills. Contact mechanics of gas turbine engines attachment in collaboration with Rolls-Royce.

Education: From Jul. 1997 to Aug.1997, Research Fellow with Prof. JR Barber, University of Michigan, Ann Arbor USA. Thermoelastic instabilities in brakes and clutches

Education: From Feb. 1998 to Aug.1998, Post-doc with Prof. D. A. Hills, University of Oxford, UK. Fretting fatigue in dovetail connectors of gas turbine engines in collaboration with Rolls-Royce

Military service: 1993-1994 Officer of the Italian Navy, and representative of all Italian officers in the organism COCER by election.

First academic job: Oct. 1998 - Feb.1999 Senior Research Fellow (full time), University of Southampton, UK

Second academic job: From Feb 1999 - Ott 2002, Senior Researcher, Consiglio Nazionale delle Ricerche (Italian National Research Council), Bari, It. The youngest in Italy nominated to this senior position at age 28.

Third academic job. From Nov. 2002 to Nov.2017, Associate Professor at Politecnico di BARI (It), Machine Design. Presently, and since nov. 2017, Full professor at Politecnico di BARI (It).

Distinction as engineering by scientific impact. Included in the list of the Top Italian Scientists in Engineering (rank 121st) in the world

http://www.topitalianscientists.org/TIS_HTML/Top_Italian_Scientists_Engineering.htm

Distinction as engineering by scientific impact. Ranked first by impact in the Ioannides Stanford ranking of Plos Biology in Politecnico di BARI, 4th in Italy in “mechanics”, and 56 000th in the word in the entire set of 6 million researchers in SCOPUS.

Other academic jobs. From Oct.10 to Oct. 12, Humboldt Senior Research Fellow (6 months/year), Technical Univ. Hamburg Harburg (Germany), working on squeak on hip prosthesis

Other academic jobs. From Dec.07 to Sept 08 “Maitre de conférence” at Lab Mécanique des Solides Ecole Polytechnique Palaiseau (Fr) (sabbatical leave), working on fatigue models, corrugation of railways tracks, crack propagation laws.

Conference organization: has organized many conferences at national and international level.

Journal board memberships: he is member of editorial board of 5 leading international journals.

Administrative roles: he has been in the staff of Rector of Politecnico di Bari.

Scientific committees membership: member of International Scientific committee of large group of researchers (CISIT- Nord Pas of Calais, France), grouping >360 researchers.

Member of panel of various international PhD programs.

Research interests: Mechanical engineering design, contact mechanics, adhesion, tribology, friction, wear, fatigue, fracture mechanics of elastic and viscoelastic media, corrugation of railways tracks, delamination and peeling.

Participation in conferences: Has participated to many conferences of national and international standing, often as invited speaker, including in USA, UK, France, US Air Force, MIT, Berkeley, Harvard.

Grants & project. He has lead as Co-PI the *Centre of Excellence in Computational Mechanics* (CEMeC), from 2001--ongoing, funded with about **1 MEu** and has lead many international collaborative projects involving dozens of researchers.

Spin offs Co-founder of the “Polimech” small consulting spin-off company of Politecnico di BARI, dealing with various small projects with local companies.

Students supervision. He has coordinated more than 30 Master thesis, and about 10 Phd thesis.

Former students have leading positions either in academia or industry, including prof. Dini leader of tribology in Imperial College London, prof. Decuzzi Senior Researcher at Italian Institute of Technology, Getrag, Bosch, CCValve – USA, Ferrari. He is the only researcher in Italy that had 2 former phd students winning the most prestigious grant in Europe, ERC starting or consolidator Grant, Prof. Decuzzi and Prof. Papangelo, who has recently been appointed Associate Professor with tenure directly by Minister of Italian Research.

Research interests

His interests are in contact mechanics, adhesion, tribology, friction, wear, fatigue, fracture mechanics of elastic and viscoelastic media, corrugation of railways tracks, delamination and peeling.

H-index and other bibliometric data (on scopus)

Metrics overview

Documents by author 214

Citations 4705 by 3101 documents

Coauthors: 140

Topics: 12

h-index: 36