

Luigi Toro is Full Professor of THEORY AND DEVELOPMENT OF CHEMICAL PROCESSES University of Rome “La Sapienza” Faculty of Mathematical, Physical and Natural Sciences

Luigi Toro (degree with honour in Chemical Engineering at Rome University) after some period as Assistant and Associate Professor at the University of Rome and Cagliari became (full) Professor in 1986 of “Theory and development of the chemical processes” at the University of L’Aquila where he was also President of the Chemical Engineering courses since 1991. In 1996 he was transferred to the University of Rome in the Faculty of Mathematical, Physical and Natural Sciences.

He was commissioner of the Italian-Spanish Permanent Committee dealing with bilateral relationships of scientific cooperation about valorisation of mine and metallurgical resource. He collaborated with Research & Development Coordinating Committee of ENI in order to evaluate technical and economic feasibility of research projects concerning raw material valorisation. As an international expert of UNIDO (ONU Wien) he has participated to the definition of an industrial development program in Paraná (Brazil).

He was a member of the European Committee as an EU expert to examine research project proposed for financial supporting BRITE-EURAM (raw materials).

He participated in Denver (Colorado) to the definition of joint research programs between USA (U.S Bureau of Standard), Canada (CANMET) and EU (Direzione XII - Row-materials).

From 1996 to 2000 President of the Scientific Committee of the Institute for Treatments of Mineral (ITM) of the CNR. Subsequently to the merge of ITM in the Institute of Environmental Geology and Geological engineering (IGAG) he was member of IGAG Scientific Committee.

He has been Dean of the Didactics Board of Industrial Chemistry of La Sapienza University. He is Director of the Inter-universities Research Centre High Tech Recycling, a collaboration project of the Universities of Roma, L’Aquila, Ancona, Genoa. The Centre proposes the development of innovative and sustainable technologies for the recovery and the valorisation in the field of secondary raw materials and Energy.

He is President of “Eco Recycling srl” a spin off company of La Sapienza.

He is Dean of the PhD courses in Chemical Engineering at the University of Rome La Sapienza

### **Research and development activity**

His research work is widely published in international journals and books and in several (national and European) patents. He prepared and co-ordinated different research programs both with national and international partners.

In particular, the research mainly involves mass and energy recovery from secondary raw materials

### **Publications**

more than 100 papers on international journals; more than 30 monographic publications ; more than 90 communication to Congresses, *extended abstract e poster*; 6 patents (4 national patent; 2 EU patent);