



STEPI 10
Polyimides & High Performance Polymers
June 6-8, 2016
Montpellier, France

Montpellier, August 18, 2016

RESUME

Currently Marc J.M. ABADIE is Professor Emeritus (since 2009) at University of Montpellier, Institute Charles Gerhardt of Montpellier - Aggregates, Interfaces & Materials for Energy (ICGM/AIME, UMR CNRS 5253). Doctor *honoris causa* from "Gh. Asachi" Technical University in Iasi – Romania & "Michael Fam" Visiting Professor at the School of Materials Science & Engineering at Nanyang Technological University in Singapore.

Qualification : A Chemical engineer from Louis Pasteur University of Strasbourg (F) in 1961, MSc (1961), PhD 1963 (3rd cycle) and Dr es Physical Sciences (1972) at the "Centre de Recherche sur les Macromolécules" CRM in Strasbourg (F) - Institut Charles Sadron, Pr Henri Benoit as adviser.

Industrial Commitments (10 years) : Engineer R & D at SNPA/Total (1963 - 1967), Senior Scientist Officer at "Propellants, Explosives and Rocket Motor Establishment" PERME/UK Ministry of Defence at Waltham Abbey - UK (1975 - 1976), IBM'er in Endicott NY, USA (1982 - 1986). Consultant for IBM, DuPont Electronics, Ethyl Corp. and Dental Medical Diagnostic Systems in the USA and Rhône-Poulenc, Elf, LETI, Stento, Delta, IBM, SPAD, Ivoclar AGP, Celliose, Gem Plus, Euracli Veritas, Wacker Chemie GmbH & Lamberti spa in Europe.

Academic Expertise (45 years) : Professor Abadie' present research concern: Composites & NanoComposites, HML & HML, High Performance Polymers, Photosensitive Products & Photocalorimetry, Biomaterials. Over 400 papers (412 peer reviewed publications), 12 books and 12 patents.

Awards : 1991 ADER Award for Transferring Technology to the Industry and in 2009 from High performance Polymers.

Teaching : Undergraduate Sudents - Polymers & Composites, Polymer Synthesis, Polymer Physics and **Graduate Students -** Advanced Chemistry in Polymer Science, Composites & NanoComposites, High Performance Polymers, UV/EB Curing, Biodegradable TPE, HML for Aircraft Manufacturing, Green Chemistry.

International Symposium 2014 - 2016 : STEPI 10, Montpellier 5-8 June, 2016 - 4th International Caucasian Symposium on Polymers & Advanced Materials (Invited Speaker, 2 conferences, Batumi (Georgia) July 1-5, 2015 - "Polycondensation 2014" Japan @ Tokyo Tech, Sept 8-11, 2014 (Invited Speaker)

Recent Books : 1) "High Performance Polymers - Polyimides Based - From Chemistry to Applications" edited by Marc J.M. Abadie, ISBN 978-953-51-0899-3, InTech, (December 2013) – **2)** "High-Performance Polymers for Engineering-Based Composites" - Omari Muckbaniani, Marc J.M. Abadie & Tamara Tatrishvili, Edited by CRC Press (August 2015) – **3)** "Chemical Engineering of Polymers - Production of Functional and Flexible Materials"- Omari Muckbaniani, Marc J.M. Abadie & Tamara Tatrishvili, Edited by CRC Press (Forthcoming Sept 2016)

Research Activities @ ICGM : Polybenzimidazole : New Concept of ABPBI Systems for PEMFCs - Hybrid Metal Laminates for Aircraft Structures - Chemistry of Interfaces/Interphases for Composites and NanoComposite

Laboratoire Charles Gerhardt UMR 5253
Laboratoire A 1181
UMR 5253 - Gerhardt - CC 1502
Université Montpellier 2
Place Eugène Bataillon
34095 Montpellier cedex 5
Tél : 04 67 14 33 01
Fax : 04 67 14 33 01