



PROF. MARTIN JACKSON

Martin Jackson is Professor of Advanced Metals Processing at the University of Sheffield, Department of Materials Science and Engineering, UK. He has over 20 years' experience in metals processing and in particular the solid state processing of titanium alloys, including forging, machining and powder processing.

Martin's research group – Sheffield Titanium Alloy Research [STAR] – collaborates largely with the aerospace, automotive and defence sectors, developing new processes routes and alloys that help to reduce the cost of titanium and nonferrous alloys. He graduated from the University of Sheffield in 1997 and after working at Rolls-Royce he spent 10 years at the Royal School of Mines, Imperial College London, before returning to the University of Sheffield in 2008 as a Royal Academy of Engineering Research Fellow. Martin is currently the Advanced Metals Processing Research Lead for the Henry Royce Institute and is the UK representative for the World Titanium Organising Conference.





PROF. JOSÉ MANUEL TORRALBA

Director of IMDEA Materials Institute in Madrid, Spain,
Professor at Charles III University of Madrid, Spain

He holds leadership positions in both the Powder Technology Group at UC3M and the Powder Sustainable Technologies Group at IMDEA Materials. Prof. Torralba is a distinguished fellow in 2 of the most prominent Powder Metallurgy associations globally: FAPMI and FEPMA.

Throughout his career, he has consistently advocated for a holistic approach, actively participating in various academic endeavors. This includes teaching, conducting research, fostering innovation, managing research programs, and engaging in science communication. Prof. Torralba is also dedicated to mentoring, promoting research integrity, advancing ethical standards in science, and creating healthy conditions in research labs.

He has played a pivotal role as a mentor to numerous PhD students and has established a robust international network comprising former students in academia and industry. In addition to his academic pursuits, Prof. Torralba frequently collaborates with NGOs, furthering his commitment to societal impact and outreach.





DR CLAUDE ESTOURNÈS

CNRS Research Director at CIRIMAT in Toulouse, France

His main activities are devoted to the synthesis, preparation, and densification of materials [with nano- and micro scales, composite, multi-layered system, ceramic, polymer, glass, etc.] by spark plasma sintering, cold sintering and additive manufacturing technologies, to the development of novel, specific and multi-functional architectures [FGM, micro- and mesoporous composite structure, sandwiches] to tailor specific properties and studies of densification mechanisms and finite element modeling – electro-thermal-mechanical and microstructural of the spark plasma sintering and cold sintering process.

From 2004 to 2016 he was the Scientific Coordinator of the CNRS National Platform on Spark Plasma Sintering [PNF2/CNRS]. Between 2008 and 2011, he was the Director of the national research group on Spark Plasma Sintering federating more than 250 researchers from 32 French laboratories and 11 industries. Since 2019, he is the President of the Network GFDM-FACE.





PROF. OLIVIER GUILLON

**Director of the Institute of Energy and Climate Research:
Materials Synthesis and Processing (IEK-1,
Forschungszentrum Jülich GmbH, Jülich, Germany,
professor at RWTH Aachen University, German.**

**As an expert in materials synthesis and processing, he
focuses on ceramic-based technologies for
electrochemical storage, high-temperature electrolysis
and fuel cells, membrane separation , as well as gas
turbines.**

**For more than 15 years he has been working on sintering
technologies – especially in the electric field – and is the
founder and spokesperson of the German expert
committee on FAST/SPS. Guillon is a fellow of American
and European Ceramic Societies and a member of the
World Academy of Ceramics.**



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