



**Università
degli Studi
di Palermo**

Dipartimento di Ingegneria
Direttore: Prof. Antonino Valenza



Palermo, 29 maggio 2023

Aula B110, Ercoli

Ore 10:00

Titolo del Seminario:

Mixing liquids and multiphase systems...but not just in stirred tanks

Relatrice: Prof. Joelle Aubin

Brief Bio

Dr. Joelle Aubin is CNRS Director of Research at the Chemical Engineering Research Center (LGC)–University of Toulouse, France. After obtaining an honors degree in Chemical Engineering from The University of Sydney in 1997, she then undertook a PhD in Chemical and Process Engineering at both The University of Sydney and the Institut National Polytechnique de Toulouse (Toulouse INP) in France. In 2011, she obtained a Habilitation à Diriger des Recherches (habilitation to supervise research) from Toulouse INP. Dr. Aubin was awarded the university prize at Toulouse INP in 2002 and received the Young Researcher Award from European Federation of Chemical Engineering Working Party on Mixing in 2003. From 2010-2013 she was Adjunct Professor at the University of Alberta, Canada. She is currently Chair of the Working Party on Mixing of the European Federation of Chemical Engineering, Chair of the External Advisory Board for the Centre in Advanced Fluid Engineering for Digital Manufacturing UK, chemical engineering expert for the Scientific Advisory Board of IFPEN France, as well as member of External Advisory Boards for Unilever R&D UK and the EPSRC Centre for Doctoral Training in Formulation Engineering UK. She has significant involvement in various international scientific journals as Associate Editor for Chemical Engineering Science, Chemical Engineering Research and Design and Frontiers in Chemical Engineering and as member of the editorial boards of Chemical Engineering and Technology and Chemical Engineering Processing: Process Intensification journals.

Dr. Aubin's research deals with industrial process performance and integrates a strong understanding of fluid mechanics, mixing and multiphase flow from both experimental and computational aspects. She has a strong interest in the emerging area of sustainable engineering (process intensification and novel systems, such as microfluidics and oscillatory flows). She is author of more than 100 papers in international journals and conferences, as well as 8 book chapters.