

BASE Workshop #2 2025– Active Materials: Precursors and Upscaling

Welcome to the BASE workshop on Active Materials! In this webinar we will present key challenges and opportunities in battery production.

This online workshop will be held on Zoom on June 3rd 12:30 to 14.15. The speakers are:

- * Daniele Marchisio from Politecnico di Torino, IT
- * Tim Nordh from Altris, SE
- * Kerstin Forsberg, KTH, SE

12:30 – 12.35	Welcome address	Kerstin Forsberg
12.35 – 13.10	Computational models for battery materials production and battery recycling	Daniele Marchisio, Politecnico di Torino, IT
13.10 – 13.40	From Research to Reality: Altris' Journey to Scale Up	Tim Nordh, Altris, SE
13.40 – 14.10	Crystallization of metal carboxylates as precursors for NMC	Kerstin Forsberg, KTH, SE
14.10 – 14.15	Closing	Kerstin Forsberg

Daniele Marchisio obtained a PhD in Chemical Engineering in 2002 from Politecnico di Torino and after post-docs at Iowa State University and ETH Zurich, joined Politecnico di Torino, where is now Full Professor at the Department of Applied Science and Technology. He has been visiting professor at University College London, CSIRO Melbourne and Beijing University of Chemical Technology. He has published more than 200 papers resulting in >11000 citations and in a H-index of 51 (January 2025; source google scholar). His research focuses on the investigation of polydisperse multiphase systems with emphasis on the development of computational models, based on computational fluid dynamics, full-atom and coarse-grained molecular dynamics. His book, published for Cambridge University Press in 2013 with Prof. Rodney Fox, offers an authoritative treatment of the field. Acting as PI he has received funding from the Italian Ministry of Research, the European Commission, several foundations, and chemical industries. He has been a member of the Academic Senate of Politecnico and the Gender Observatory. He is currently member of the Equal Opportunity Committee of Politecnico, Chair of the Working Party on Crystallization of the EFCE and Associate Editor of the Canadian Journal of Chemical Engineering. He is a passionate advocate for diversity, equity and inclusion in scientific research.

Zoom link: <https://kth-se.zoom.us/j/69095312248?pwd=1javW1BTWf3YV7nnTWQF09ZrS7lWWD.1>
Meeting ID: 690 9531 2248 Passcode: 180315

