

Applications of artificial neural networks in  
chemical engineering – My first years in  
academic research

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**Dr. Claiton Zanini Brusamarello**

Universidade Tecnológica Federal do Paraná-Brazil

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16.00 - 17.00

RODH617, Imperial College London



**Bio**

Dr. Claiton Zanini Brusamarello is a Tenure Assistant Professor at the Universidade Tecnológica Federal do Paraná-Brazil (UTFPR), working in the academic department of Engineering (2014-Present). Ph.D. in Chemical Engineering from the Universidade Federal de Santa Catarina - Brazil (UFSC) with a sandwich period (04/2012-03/2013) at Tulane University – USA, at the Center for Polymer Reaction Monitoring and Characterization (POLYRMC). Research interests in the areas of in-line monitoring of chemical reactions and application of artificial intelligence algorithms to Chemical Engineering systems

**Abstract**

This presentation aims to show the first steps Dr. Claiton has given in artificial neural networks to solve chemical engineering problems. This presentation will cover research in polymers, adsorption, and biodiesel areas.