

Press release

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EFCE presents Carl Wagner Medal for the development of electrochemical technology in environmental protection

Dr. Emmanuel Mousset has been named as the winner of the Carl Wagner Medal of Excellence in Electrochemical Engineering of the European Federation of Chemical Engineering (EFCE) for his outstanding contributions to research and application of electrochemistry and electrochemical engineering in environmental protection including soil washing and industrial and urban wastewater treatment and reuse. His recent research activities were focussing on the advanced hybrid electrocatalytic wastewater treatment. The kinetics described by him are of importance in the scale-up of electrochemical advanced oxidation processes (EAOPs).



The Award jury of the EFCE Working Party on Electrochemical Engineering emphasized Dr. Mousset's very strong background in chemical and electrochemical methods and technologies, electrochemical engineering for reactor design and scale-up, etc., and the exceptional results achieved in the field. This was documented by a number of fellowships, awards and research projects he coordinated. Furthermore, the jury underlined his significant activity for the society as organiser of recognised events in the field as well as in education and training.

Emmanuel Mousset graduated at the French engineering graduate school ENSIP, Poitiers, France (2010) and obtained his Erasmus Mundus Doctorate in Environmental Technologies for Contaminated Solids, Soils and Sediments - ETeCoS3 (Univ. Paris-Est, Univ. Cassino (Italy), UNESCO-IHE (Delft)) in 2013. Following research fellowships in Singapore and Germany, since October 2016, he holds the position of a Senior Researcher at the Reactions and Chemical Engineering Laboratory (Laboratoire Réactions et Génie des Procédés – LRGP, University of Lorraine - CNRS) in Nancy, France. He is a lecturer in electrochemical engineering, water treatment and advanced oxidation processes.

Recommending him for the Award, Prof. Mehmet A. Oturan explained: "During his PhD and teaching assistant position, Dr. Mousset showed great capabilities, high interested in electrochemistry and environmental chemistry aspects and a remarkable devotion to research work and project leading."

The Carl Wagner Medal of Excellence in Electrochemical Engineering consists of a dedicated medal, a cash prize of 1500 euros and an invitation to attend the 12th European Symposium on Electrochemical Engineering (12th ESEE), where the award will be presented. The 12th ESEE will be held as an online conference on 14 to 18 June 2021.

The Award is generously sponsored by **Covestro**.



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Related links

EFCE media centre (<https://www.efce.info/News>)

EFCE Working Party on Electrochemical Engineering (https://efce.info/WP_EE.html)

12th European Symposium on Electrochemical Engineering - 12th ESEE
(<http://www.electrochemical-engineering.eu/2021/>)

Notes to media

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About Covestro

Covestro is among the world's largest polymer companies with business activities focused on the manufacturing of high-tech polymer materials and the development of innovative solutions for products used in many areas of daily life. The main segments served are the automotive, construction, wood processing and furniture, and electrical and electronics industries. Other sectors include sports and leisure, cosmetics, health and the chemical industry itself. The focus is on innovative, sustainable solutions for the big challenges of our time - such as climate change, increasing scarcity of resources, growing mobility and urbanization. In the field of electrochemistry Covestro together with partners has developed energy saving Chlorine production technologies using Oxygen Depolarized Cathodes.

About chemical engineers

Chemical, biochemical and process engineering is the application of science, maths and economics to the process of turning raw materials into everyday products. Professional chemical engineers design, construct and manage process operations all over the world. Oil and gas, pharmaceuticals, food and drink, synthetic fibres and clean drinking water are just some of the products where chemical engineering plays a central role.

About EFCE

Founded in 1953, The European Federation of Chemical Engineering (EFCE) is a non-profit-making association, whose object is to promote co-operation in Europe between non-profit-making professional scientific and technical societies in 30 countries for the general advancement of chemical engineering and as a means of furthering the development of chemical engineering. See www.efce.org