European Federation of Chemical Engineering
Europäische Föderation für Chemie-Ingenieur-Wesen
Fédération Européenne de Génie Chimique

Press release

Presse-Information ● Information de presse

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http://www.efce.org

EFCE recognises research in crystallization process analytical technologies

Dr. Elena Simone has been named the winner of the 2017 EFCE Excellence Award in Crystallization of the European Federation of Chemical Engineering (EFCE).

The Award recognises her excellent PhD thesis *'Application of process analytical technology (PAT) tools for the better understanding and control of the crystallization of polymorphic and impure systems'* completed at the Loughborough University, United Kingdom, under the supervision of Professor Zoltan K. Nagy and her research papers which demonstrated her innovative approaches to crystallization research, which are directly applicable to industry.

Elena Simone obtained her Bachelor and Masters degree in Chemical Engineering from the University of Pisa, Italy, and has had a one year industrial experience working at Unilever, UK, before starting her PhD in the group of Professor Zoltan Nagy at the Chemical Engineering Department of Loughborough University, United Kingdom. After her PhD and one year in a postdoctoral researcher position, she accepted a lecturer position in the School of Food Science and Nutrition at the University of Leeds, United Kingdom, in September 2016. In her new position, she aims to apply her expertise in pharmaceutical crystallization and PAT in the food industries.

Her research interests include understanding the phenomena of polymorphism, nucleation and crystal growth of pharmaceuticals and food crystals (e.g. fats, sugars) using on-line, in situ, analytical techniques as well as off-line solid state characterisation, and developing strategies to effectively control crystal size, shape and polymorphism during crystallization processes, combining experimental and modelling work.

In his nomination, Prof. Nagy stated: "Elena was one of the most outstanding graduate students I have ever had the pleasure to supervise."

"Elena is clearly an exceptional researcher, with a high drive to learn and strong motivation to perform and produce high quality research, hence I very highly recommend her for this award. Elena has all the right ingredients to become one of the future worldwide research leaders in her field."

The Award jury commented: “Her work has led to pioneering results in the field of crystallization monitoring and process analytical technologies.”

The Award was presented at the 20th International Symposium on Industrial Crystallization (ISIC 20) in Dublin, Ireland, on 5 September 2017.

Ends

Related links

EFCE media centre (http://www.efce.info/Media+Centre.html)

EFCE Working Party on Crystallization (http://efce.info/Crystallization.html)

20th International Symposium on Industrial Crystallization – ISIC 20 (http://isic20.com/)

Notes to media

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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