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PARTEC 2019: "Particle technology is indispensable"

Nuremberg, 17/10/2016

- Professor Stefan Heinrich new Chairman of PARTEC 2019
- Entire processes and their simulation in the spotlight

The next PARTEC congress will take place in April 2019 under the chairmanship of Professor Stefan Heinrich, Director of the Institute of Solids Process Engineering and Particle Technology at the Technical University of Hamburg (TUHH). He will work with the Executive Committee to develop the concept for PARTEC 2019 and is taking over the helm from Professor Hermann Nirschl, who was responsible for PARTEC 2016. The next round of the congress plans to focus on the dynamic simulation of networked solids processes.

PARTEC is one of the world's major scientific congresses for particle and bulk solids technology. Every three years, it provides an international forum for R&D in new technologies. It runs concurrently with POWTECH, the leading trade fair for the mechanical processing, analysis and handling of powder and bulk solids. "Academic research is directly driven by the application-specific demands of the industry," stresses Professor Stefan Heinrich, Chairman of PARTEC 2019. "PARTEC brings the research community and industry together, while directly next door, POWTECH showcases the practical implementation of these innovative developments."

Simulation of entire particle processes

Once again, PARTEC will endeavour to take a holistic view of particle technology and will explore a range of processes including particle formation, particle characterisation, measuring methods and agglomeration, formulation and coating.

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In particular, PARTEC 2019 hopes to provide fresh impetus for the characterisation and dynamic simulation of interconnected solids processes. Professor Heinrich is currently managing a German Research Society priority programme (DFG-SPP 1679) on this very subject. The aim of the research is not only to describe and simulate individual substeps in the process chain, but also the dynamic behaviour of solids and their often reciprocal interaction in the entire process.

Exciting development for all sectors

The research results are intended to apply to as many different fields of application as possible and therefore benefit a wide range of sectors such as the chemical and pharmaceutical industry, foodstuffs production or non-metallic mineral sector. "Particle technology is a very wide field and indispensable for daily life," concludes PARTEC Chair Professor Stefan Heinrich. "This diversity will be reflected by PARTEC 2019."

The next PARTEC will be held in April 2019 and the call for papers will probably go out at the end of 2017. This year's PARTEC, from 19 to 21 April 2016, attracted 472 congress delegates to Nuremberg. As well as high-calibre presentations and discussion panels, this impressive gathering also featured an accompanying poster exhibition and numerous networking events

About PARTEC

PARTEC sees itself as an international forum for research and development in particle technology. Every three years the congress, which is held in English, brings together scientists and engineers from all over the world. It covers topics like particle formation, agglomeration and coating processes and diverse industrial applications for particles. The international congress for particle technology is organised by NürnbergMesse and is sponsored by the VDI Association of Process and Chemical Engineering (GVC).

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