Press Release

September 20, 2016

innovations for high performance microelectronics

IHP grants Wolfgang Mehr Fellowship Award 2016

Scientists Fabio Coccetti successfully in the field of 2D materials

Frankfurt (Oder). The Wolfgang Mehr Fellowship Award 2016 goes to Dr. Fabio Coccetti. On Tuesday, the Italian was awarded at IHP - Innovations for High Performance Microelectronics. The price is associated with a research project. Together with researchers of IHP, he will work on the topic of 2D materials, including Graphene, for high frequency applications.

“This award means not to look at it, it means to work even more” joked Prof. Bernd Tillack during the award ceremony in the lecture room of the IHP. “We are pleased to award an in the international scientific community well-known researcher. His previous experience is visible in more than 170 publications. His research at our institute can advance new ideas.” This is the basic idea of the Fellowship Award, which is named after the former Scientific Director of IHP. “Wolfgang Mehr had a strong influence on IHP by his outstanding scientific leadership but also by his collegial, open, and honest way. He was one main reason for the success of the Institute” said Prof. Tillack. “He was a brilliant scientist who could inspire people and motivate them in his own way”.

There is another connection between the fellowship award winner 2016 and Wolfgang Mehr: Graphene. Wolfgang Mehr was the initiator for graphene research at IHP. Dr. Fabio Coccetti will combine microsystems technology with his fascination for carrier transport mechanisms taking place in 2D crystals, including graphene.

The winner: Dr. Fabio Coccetti (center, with certificate) got congratulations by Acting Department Heads of Technology, Dr. Andreas Mai and Dr. Mehmet Kaynak and the Scientific Director of IHP, Prof. Bernd Tillack

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The understanding may unleash the full potential of new functionalities even up to the THz frequency region by improving efficiency and miniaturization. These on-going research activities are expected to open new perspectives for electronics. The transition toward this increasingly smart, efficient, and integrated electronics can be made possible only by exploiting the momentum of most advanced and cost effective technology. "The IHP with its unique technology allows me to do advanced research, to test the properties of the new materials, and to develop process steps for the integration of new devices – all in a single place," said Dr. Fabio Coccetti.

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About IHP:
The IHP is an institute of the Leibniz Association and conducts research and development of silicon-based systems and ultra high-frequency circuits and technologies including new materials. It develops innovative solutions for application areas such as wireless and broadband communication, aerospace, biotechnology and medicine, automotive industry, security technology and industrial automation. The IHP employs approximately 300 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25 µm BiCMOS technologies, located in a 1000 m² class 1 cleanroom.

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