

Press Release

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Leibniz Institute
for High
Performance
Microelectronics

IHP strengthens Europe's microelectronics – State of Brandenburg invests EUR 4.11 million in APECS pilot line

Funding from the State of Brandenburg enables IHP to participate in European Chips Act pilot line for advanced packaging and heterogeneous integration.

Frankfurt (Oder). The State of Brandenburg is supporting IHP – Leibniz Institute for High Performance Microelectronics with €4.11 million for the establishment of the APECS pilot line (“Advanced Packaging and Heterogeneous Integration for Electronic Components and Systems”) under the European Chips Act. APECS is part of a European initiative designed to strengthen Europe's semiconductor capabilities, reduce dependence on third countries and help increase Europe's share of global chip production to 20 per cent by 2030.

APECS is a collaborative project in which IHP works together with thirteen institutes of the Fraunhofer-Gesellschaft and the Ferdinand-Braun-Institut in Berlin. The focus is on new interconnect technologies and integration methods designed to make complex microsystems more powerful, more energy-efficient and more compact. The aim is to build key technological competences in the field of advanced packaging and heterogeneous integration and to accelerate the transfer of innovations from research into industrial applications.

“With the APECS pilot line we are making an important contribution to ensuring that Europe once again becomes more independent and competitive in the development and manufacture of modern semiconductors,” says Prof Dr-Ing Gerhard Kahmen, Scientific and Technical Managing Director of IHP. “IHP contributes its many years of expertise in microelectronics research and thereby strengthens Germany's innovative capacity within the European network. Funding from the State of Brandenburg enables us to expand our research infrastructure in a targeted manner and to build the bridge from fundamental research to industrial application.”

The €4.11 million from Brandenburg forms part of the national co-financing which, together with funding from the Federal Ministry of Research. Technology and Space (BMFTR), provides the basis for the deployment of EU funds under the European Chips Act. In total, IHP will receive around €33 million for its contributions to the APECS pilot line by 2029.



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About IHP:

Based in Frankfurt (Oder), IHP – Leibniz Institute for Innovative Microelectronics conducts research on silicon-based systems, high-frequency circuits and new materials for micro- and nanoelectronics. Its developments are applied in wireless communication, medical technology, Industry 4.0, mobility and space. With more than 400 staff from over 30 nations, IHP is one of Europe's leading research institutions in the field of applied microelectronics. The institute receives institutional funding of around €35 million per year from the Federal Government and the State of Brandenburg.

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