



JOIN US NOW FOR iCOOL!

Cool Silicon will start in 2017 with the internationalisation of its cluster, thanks to winning a grant by the Federal Ministry of Education and Research. The project named iCool will deal not only with the development of an internationalisation strategy, but also with the development of new services for its members with regard to innovation management, research and international collaboration.

Furthermore, at least three projects will be developed with international partners. While the German partners will get up to 3 million Euro from the German funding agency, a respective amount of funding is expected also by the international partners.

Interested? Apply until August 30, 2017!

Projects will be developed in the following fields

- Production and process technologies for semiconductors
- Mobile technologies
- Sensor networks

All projects should have a strong focus on the core competency of the cluster Cool Silicon which is energy efficiency for and by information and communications technology (ICT).

LET'S TALK!



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ANY QUESTIONS? CONTACT OUR CLUSTER OFFICE!

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ENERGY EFFICIENCY INNOVATIONS

From Silicon Saxony



AREAS OF COMPETENCIES

Projects have been implemented and are currently being initialized in the areas of computing, mobile communication and networked sensors, aiming at increase of energy efficiency from the component up to the system. Using also energy harvesting, Cool Silicon envisages partly even energy autarkic systems.

Our divisions:

-  Micro and Nanotechnology
-  Integration and Applications
-  Materials Integration and Reliability



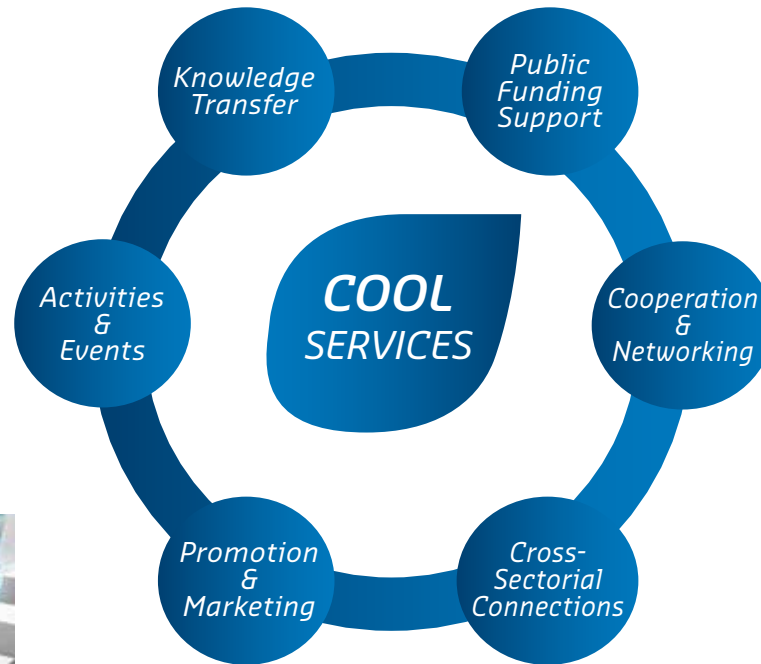
ALD LAB SAXONY - OUR EXPERT GROUP FOR ATOMIC LAYER DEPOSITION

ALD Lab Saxony is a division of Cool Silicon and combines several universities and research institutes to the largest German cluster working in the field of atomic layer deposition. The common goal is to promote research and development in the field of atomic level processing and for new applications and materials innovation. ALD Lab Dresden organizes networking events, workshops and conferences for the members and the industry.



Dr. Jonas Sundqvist
ALD Lab Saxony

BOOSTING YOUR BUSINESS



SUSTAINABILITY THROUGH ENERGY EFFICIENCY

The region "Silicon Saxony" acted on this maxim and founded the **Leading Edge Cluster "Cool Silicon – Energy Efficiency Innovations from Silicon Saxony"** in the year 2009. The association facilitates research and development activities with its **excellent contacts to universities, institutes and industry partners** and their existing cooperation structures.

Cool Silicon e.V. focusses on R&D with relation to the increase of energy efficiency in ICT. Being located in "Silicon Saxony" and cooperating closely with the respective cluster, core competences are in **micro- and nanoelectronics**, covering the entire value chain from design up to production (of chips).



FACTS AND FIGURES

(January 2017)

 **60 MEMBERS**  **5 START-UPS**

 **47 JOINT PROJECTS**

 **140 MIO. PROJECT VOLUME**

 **500 SCIENTIFIC PAPERS**

 **60 PATENTS**

EXPERIENCES OF OUR MEMBERS

„The cluster office gave brilliant support to promote our autonomous mobile robot SCOUT® (project CoolFab).“

Rico Thieme / Fabmatics GmbH

„The project CoolMaintenance allowed us a gainful cooperation with Airbus.“

Dr. Dieter Hentschel /
Fraunhofer Institute for Ceramic Technologies and Systems

“Not only the technical results obtained in CoolSON but also the partnerships that we established within the CoolSilicon Cluster helped significantly to make our wireless startup Airrays a success.”

Dr. Albrecht Fehske / Airrays GmbH