

# RESEARCHER ON ENGINEERING SELF-ADAPTIVE SYSTEMS

We are looking for a new colleague to strengthen our research capabilities on engineering self-adaptive systems with a focus on realizing adaptation in decentralized systems. Within the imec-DistriNet research group at KU Leuven and the Spirals team at the University of Lille a substantial number of researchers are working on adaptive systems from different angles. We currently focus on multiple research challenges, including:

- decentralized decision making for adaptive systems using local variability models
- runtime verification with statistical model checking
- learning techniques to manage the complexity of decentralized adaptive systems

We apply our findings in case studies in innovative application settings, in particular the Internet-of-Things and multi-cloud environments.

## WHO ARE WE LOOKING FOR?

If you share our strong interest in engineering self-adaptation and if you:

- have a master in computer science (or equivalent),
- have an analytical mind and be technically skilled,
- are committed and a team player,
- have fluent English communication skills,

then you might be the researcher we are looking for. Expertise in any of self-adaptation, model verification, variability management and learning techniques is a plus.

## WE OFFER YOU

- a supportive and collaborative research setting in which you can develop know-how and expertise in state-of-the-art technologies,
- the opportunity to build up research and innovation skills that are essential for a future career in industrial as well as academic research and development environments,
- support in the further development of your competences to analyze strategic research problems and to architect and evaluate innovative solutions with industrial applicability,
- and an international and multicultural working environment.

We have a funded 4-year position for a junior researcher (PhD student) that is expected to lead to a PhD in computer science. The position is a collaboration between imec-DistriNet KU Leuven the Spirals team, University of Lille, France.

## INTERESTED?

Send your application and CV with your motivation, interests, and expertise by e-mail to [danny.weyns@kuleuven.be](mailto:danny.weyns@kuleuven.be) and [clement.quinton@univ-lille.fr](mailto:clement.quinton@univ-lille.fr) asap but no later than June 16th 2018. Do not hesitate to contact us if you have any questions regarding this position.

## ABOUT THE RESEARCH GROUPS

DistriNet is an international renowned research group of the KU Leuven. The group is part of the Department of Computer Science. With a headcount of over 80 researchers, we have built up expertise on a wide range of topics such as software security, middleware for cloud computing, and software for embedded systems and smart devices. For more information about our ongoing research projects and other open positions, visit us at <https://distrinet.cs.kuleuven.be>.

The Spirals team is conducting research activities in the domains of distributed systems and software engineering. Spirals is a joint project-team between Inria and the University of Lille within UMR 9189 CRISTAL. For more information about the team and the ongoing research activities, visit <https://team.inria.fr/spirals>.