

## INTERNATIONAL EXCELLENCE FELLOWSHIPS

### Experience Report 2020/2021

<b>Name and title of fellow</b>	Dr. Eng. Matías Rolf Hampel
<b>Duration and time of research stay</b>	4 months From 16/08/2021 to 16/12/2021
<b>Host professor and host institute at KIT</b>	Prof. Dr. rer. nat. Sebastian Kempf Institute of Micro- and Nanoelectronic Systems (IMS)

### Testimonial

<b>My research field is</b>
Detectors for astro- and astroparticle physics experiments
<b>How my research field is going to affect the world of science?</b>
Astro- and astroparticle physics experiments are becoming increasingly complex and require new detection technologies to be carried out.
<b>My main finding / highlight during my research work at KIT was</b>
We lay the foundations for magnetic microbolometers based on paramagnetic temperature sensors applied to cosmology experiments.
<b>I have chosen the Karlsruhe Institute of Technology because</b>
Because the Karlsruhe Institute of Technology is one of the best Universities of Germany.
<b>If you want to, you can give advice to the next fellows. What should they know about Karlsruhe, KIT and the International Excellence Fellowships program?</b>
Karlsruhe is a beautiful, multicultural city with a wide variety of things to see and do. KIT is undoubtedly an impressive University and thanks to the International Excellence Fellowships program researchers from all over the world can have the opportunity to work there.