



Fraunhofer

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**FRAUNHOFER INSTITUTE FOR
INTEGRATED CIRCUITS IIS**

6 – 11 OCTOBER 2019

**AI MEETS PHENOTYPING
IIS SUMMER SCHOOL 2019**



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Target Audience: You are studying biology, physics, IT, chemistry or a subject related to natural or engineering sciences and are already in your 4th semester? You are interested in information-driven data handling of phenotypic data? You want to have an active part in facing the challenges of climate change and food safety and are not afraid of programming languages? You are already interested in career entry possibilities or are looking for a thesis opportunity? Perfect! Than our Summer School is a perfect fit for you!

Context: The consequences of climate change are very complex and force us to rethink our actions – especially agriculture. The problem: the plants cannot adapt fast enough to the changes in climate, so that different types need to be bred, which are able to easily adapt to the predicted conditions. Due to this, we will engage in phenotypical identification of plants using nondestructive monitoring technologies at our sensor system course. The goal is to develop a sensor for data acquisition, which generates information that help us to deduce the phenotypical characteristics, respectively environmental parameters. We will start with a basics lecture for all participants and loosen up the experience with free time and team building activities.

Location: Fraunhofer-Forschungscampus at Waischenfeld

Interested? Further information on our website:

www.iis.fraunhofer.de/summerschool19

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