# Fraunhofer

### IIS

**FRAUNHOFER INSTITUTE FOR
INTEGRATED CIRCUITS IIS**

**6 – 11 OCTOBER 2019**

# AI MEETS SENSOR
# IIS SUMMER SCHOOL 2019

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**Target Audience:** You are studying mathematics, physics, IT or a subject related to the engineering sciences and are already in your 4th semester? You are interested in imaging methods like X-ray computer tomography and its data processing? The intersection between physical and mathematical optimization fascinates you and you 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:** At the Fraunhofer IIS we use automated experiment planning algorithms for the touchless analysis of construction elements. Together we will learn how to compare and combine the classical signal processing approaches with the modern methods of machine learning. We will split into teams and work with different procedures on an example of material testing, with the goal to find "the best measurement". 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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