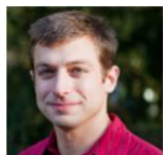
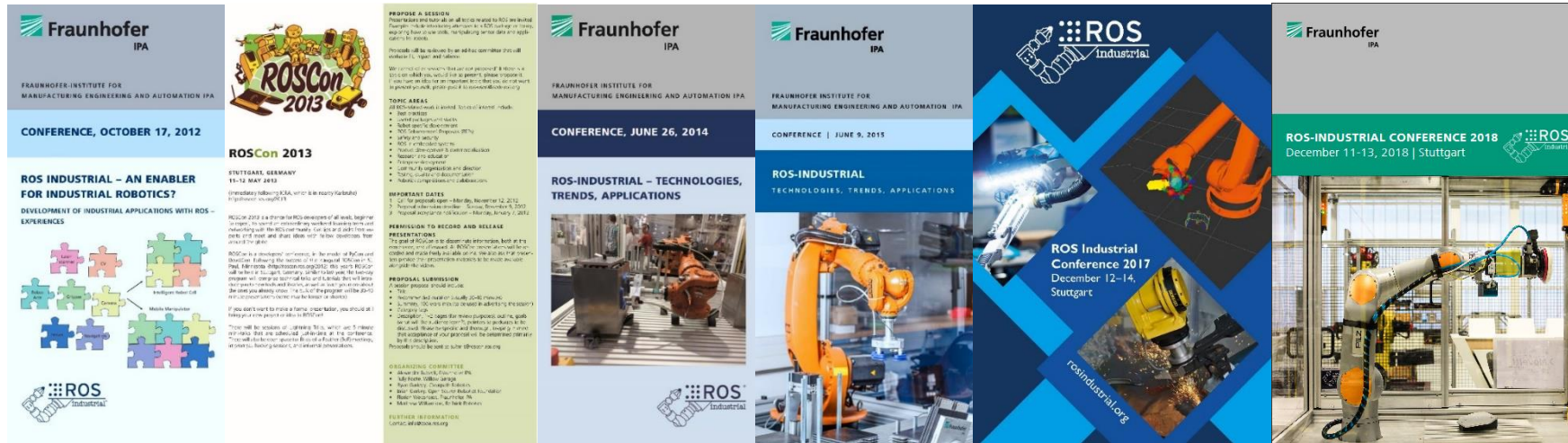


WELCOME TO THE ROS-INDUSTRIAL CONFERENCE 2019

7 years of ROS events at Fraunhofer IPA



ROS-Industrial Conference
November 3 to 4, 2016
Keynote speakers

Fraunhofer
IPA



ROS-Industrial since 2012



A software platform for industrial robotics & automation, adopted and (ideally) co-developed by its stakeholders.

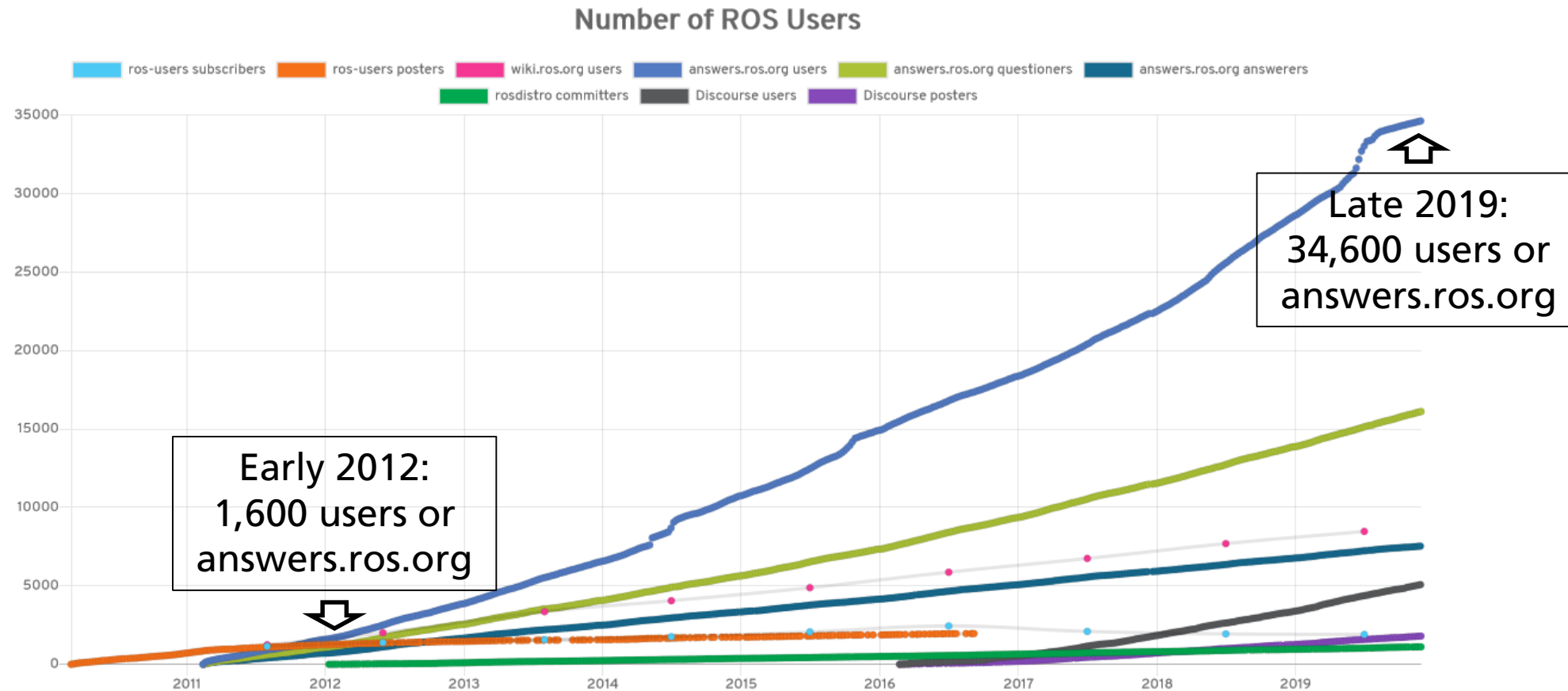
github.com/ros-industrial

The initiative to pursue this goal, through actions across three regions: ROS-I Consortia North America, Europe, Asia Pacific; ROS-I community.

rosindustrial.org

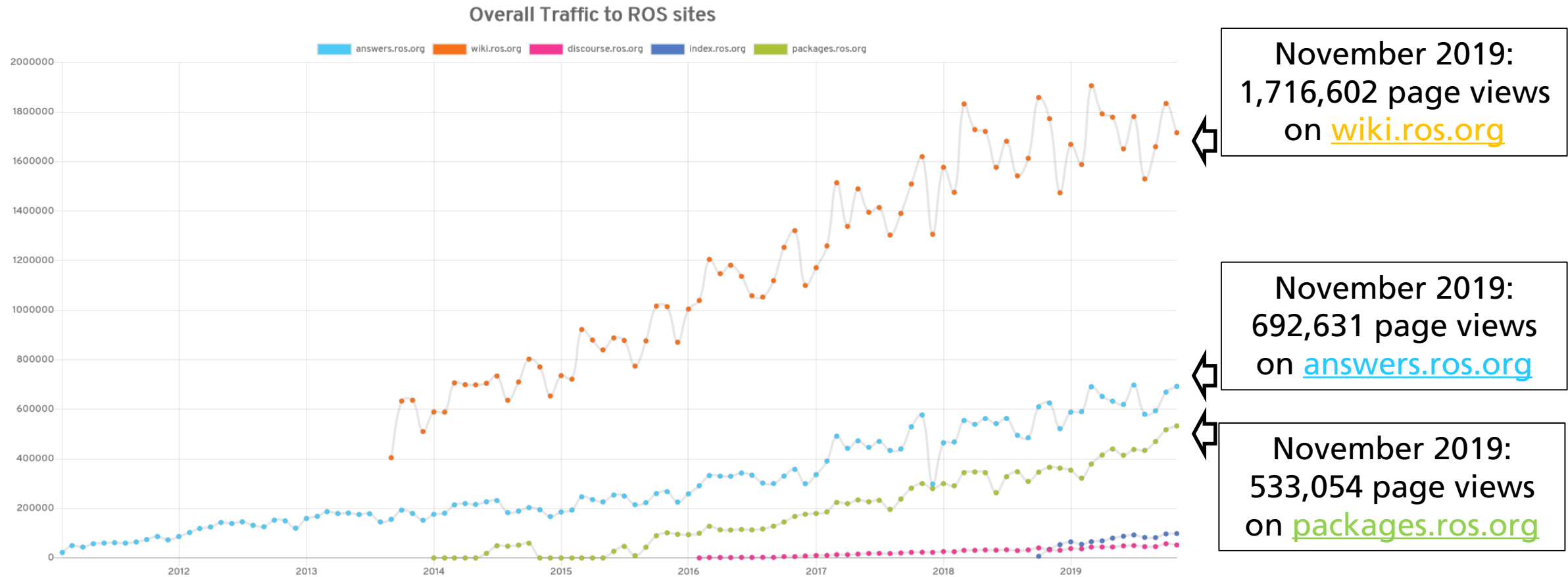
A way to understand how to use open-source, and possibly rethink your practices and business models?

ROS in numbers: users on answers.ros.org



Source: metrics.ros.org/index.html

ROS in numbers: downloads



Source: metrics.ros.org/analytics_pageviews.html

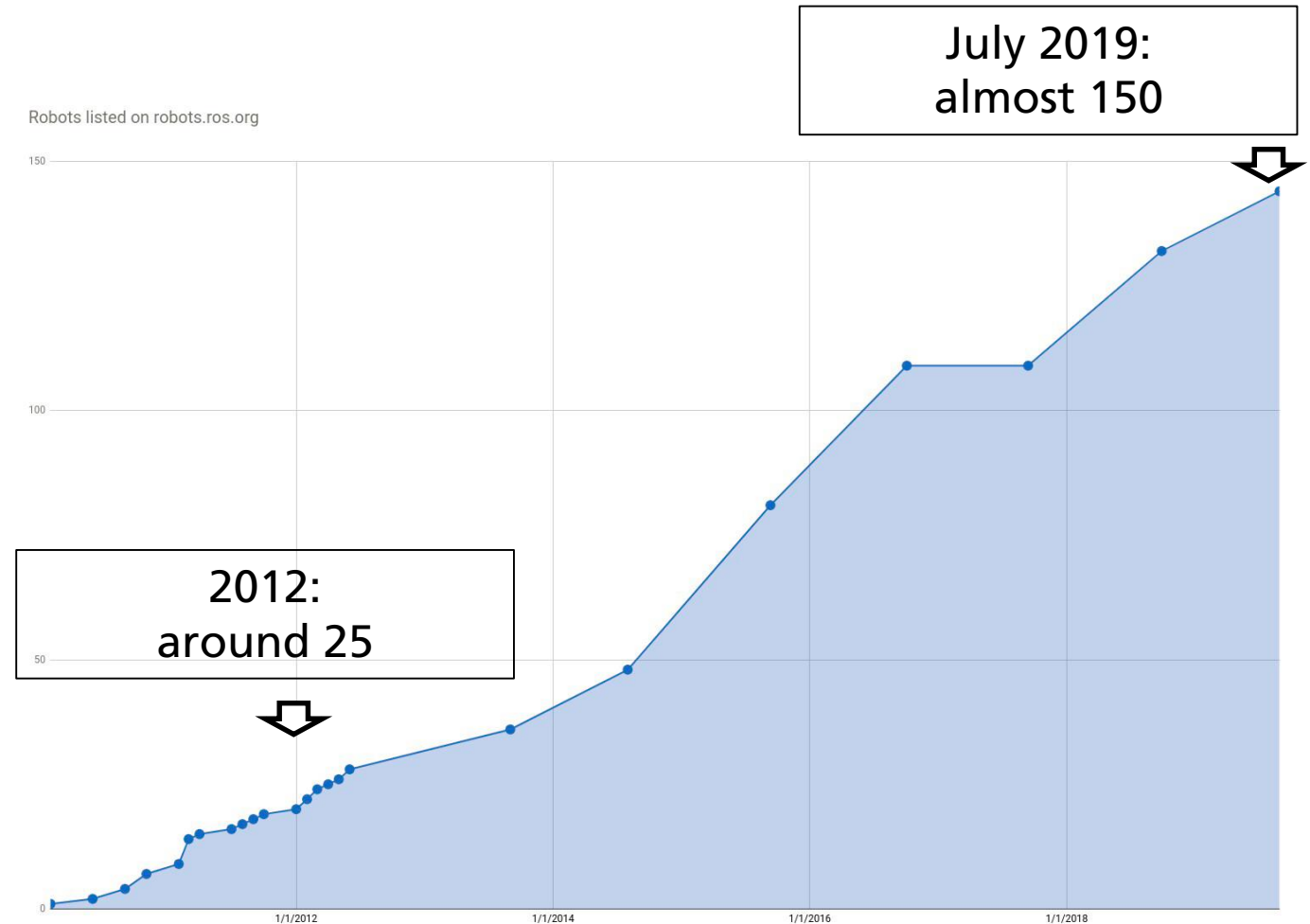
Documented ROS Robots

Robots listed on robots.ros.org

The number of different types of robots available to the community with ROS drivers

Source:

<http://download.ros.org/downloads/metrics/metrics-report-2019-07.pdf>



ROS-Industrial in 2019



ROS-Industrial Conference 2019



T · Systems ·

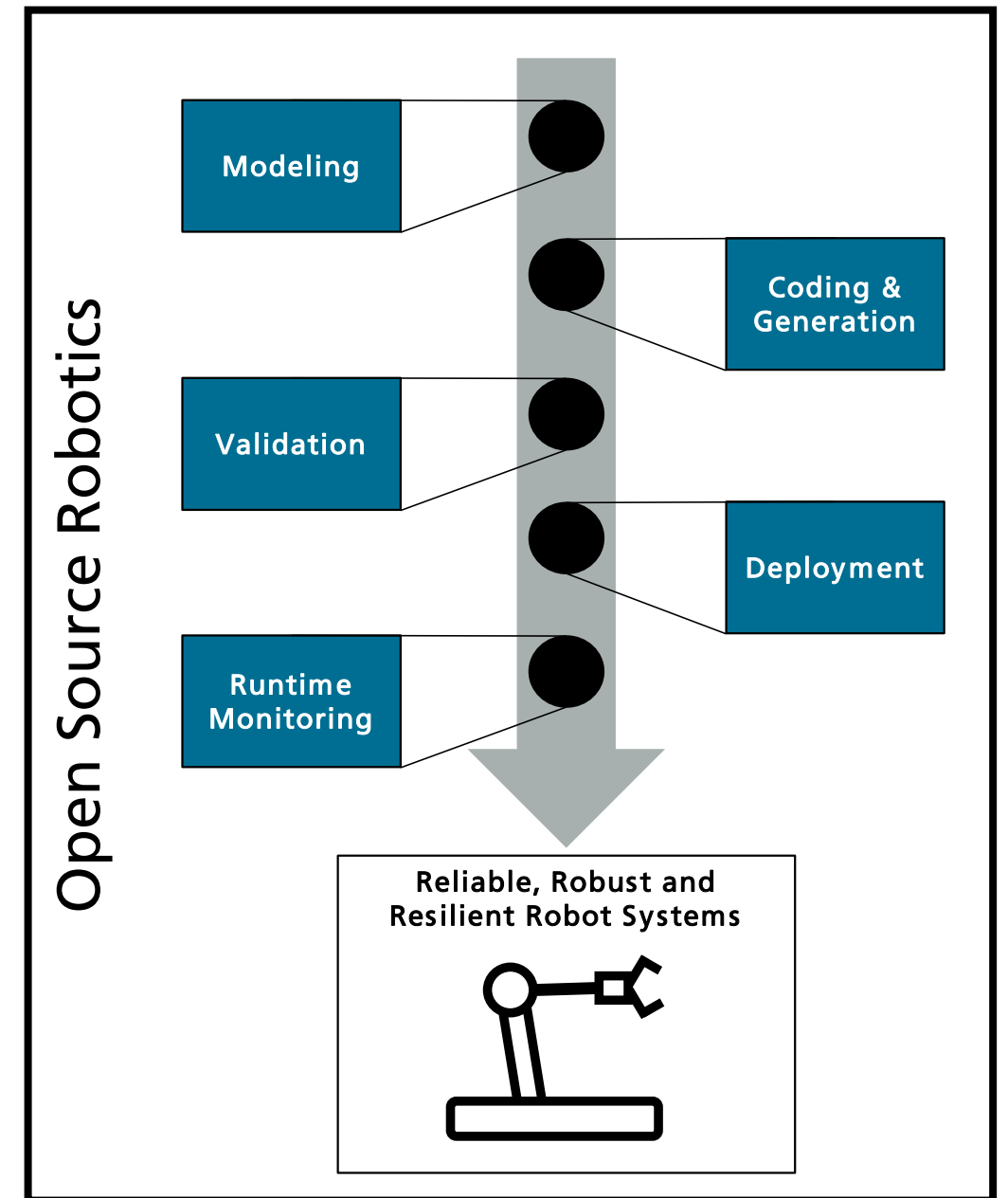
326 – Software Engineering and System Integration



What do we do?

Some of our activities:

- Manage the ROS Industrial Consortium Europe
- Software development lifecycle for robot systems
- Runtime monitoring for robot systems



Current research projects



Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages

Digitale Technologien für die
Wirtschaft (PAiCE)

GEFÖRDERT VOM



**Technik zum
Menschen bringen**

»Photonik für die flexible, vernetzte
Produktion – Optische Sensorik«.



RoboShield (Jul 2018 – Dec 2019)

Kognitive Robotik (Okt 2019 –)

SeRoNet (Mar 2017 – Feb 2021)

ARAIG (Oct 2017 – Sept 2020)

SeHer (Mar 2019 – Feb 2022)

ScalABLE 4.0 (Jan 2017 – Dec 2020)

ROSIN (Jan 2017 – Dec 2020)

agROBOfood (Jun 2019 – Mai 2023)



Welcome at Fraunhofer IPA