
FRAUNHOFER INTERNATIONAL SCIENCE CAMPUS 2019



Agenda

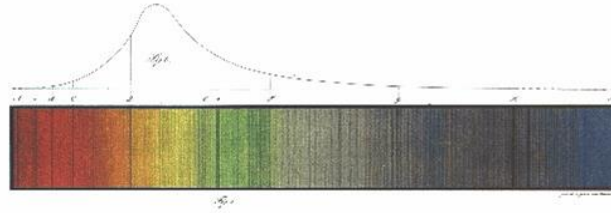
- Fraunhofer-Gesellschaft
- Fraunhofer IIS
- International Science Campus
 - 2018 edition
 - Locations
 - 2019 Preliminary schedule
 - How to apply
- Q&A

Fraunhofer-Gesellschaft, the largest organization for applied research in Europe

- Application-oriented research for immediate benefit to the economy and to the benefit of society
- 72 institutes and research units
- 26,000 staff
- €2.6 billion annual research budget totaling. Of this sum, more than €2,2 billion is generated through contract research
 - Roughly two thirds of this sum is generated through contract research on behalf of industry and publicly funded research projects
 - Roughly one third is contributed by the German federal and Countries governments in the form of base funding



**Joseph von
Fraunhofer
(1787 – 1826)**



**The Fraunhofer-
Gesellschaft**

**Discovery of the
»Fraunhofer lines« in
the solar spectrum**

**New methods for
processing lenses**

**Director and partner
in a glassworks**

Researcher

Inventor

Entrepreneur

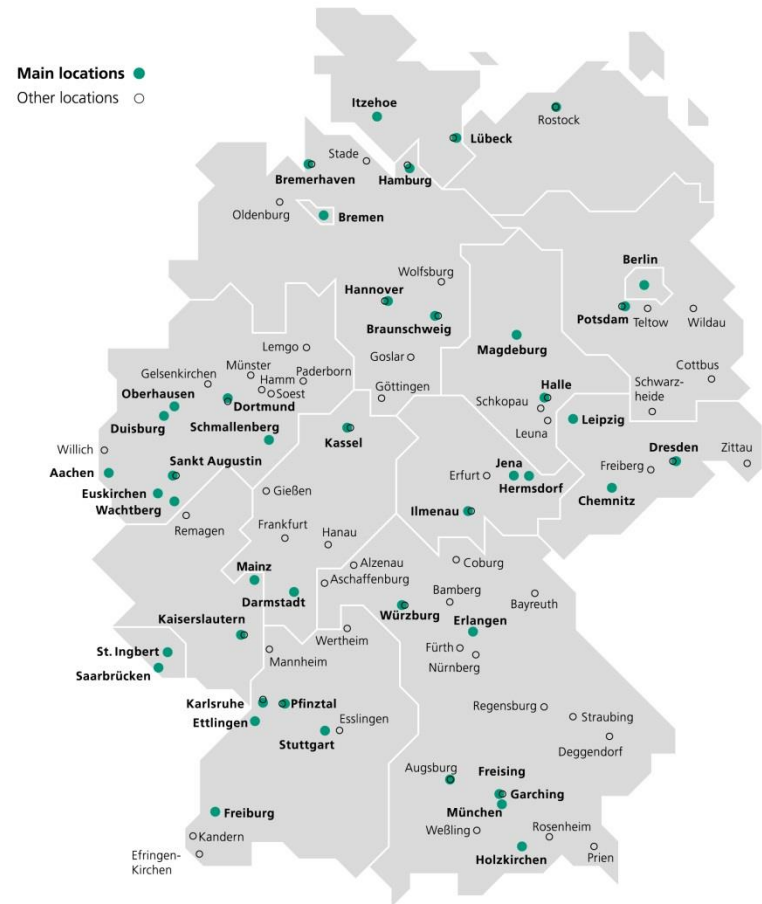
**Research and
development on
behalf of industry
and state**

**mp3 music format,
white LED, high-
resolution thermal
camera**

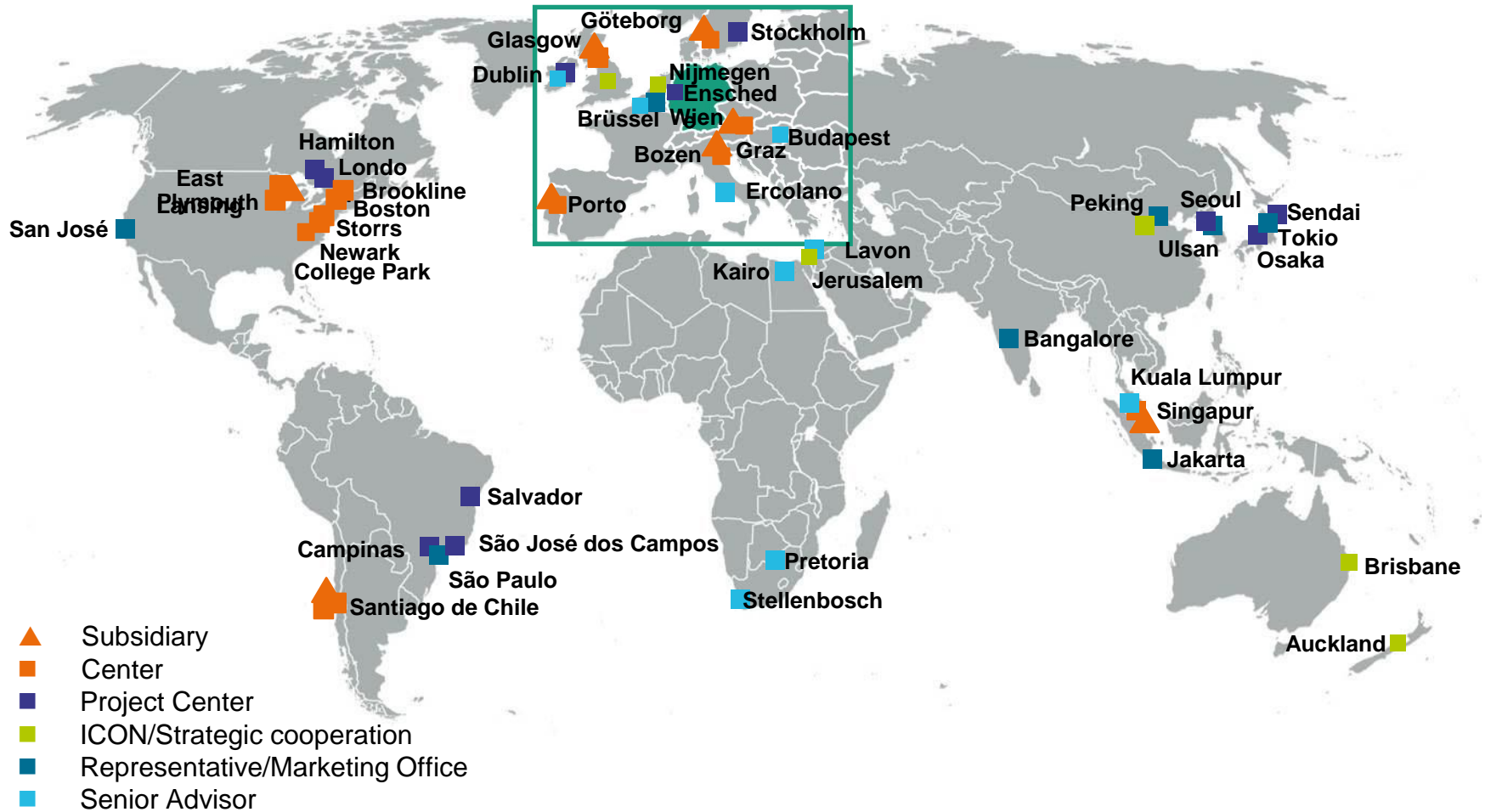
**Research volume:
approx. €2.6 billion
annually**

The Fraunhofer-Gesellschaft Locations in Germany

- 72 institutes and research units
- 26,000 staff
- € 2.6 bn research volume



Fraunhofer-Gesellschaft Worldwide

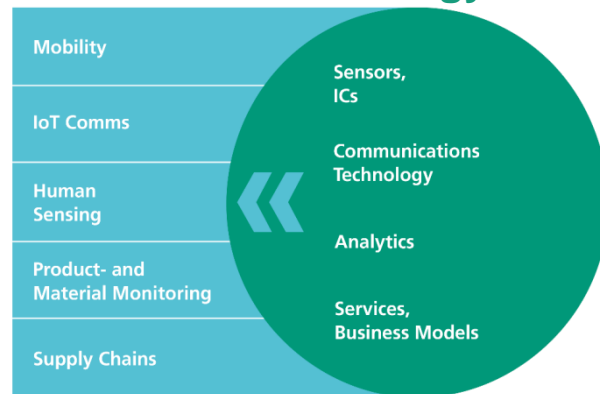


Fraunhofer Institute for Integrated Circuits IIS

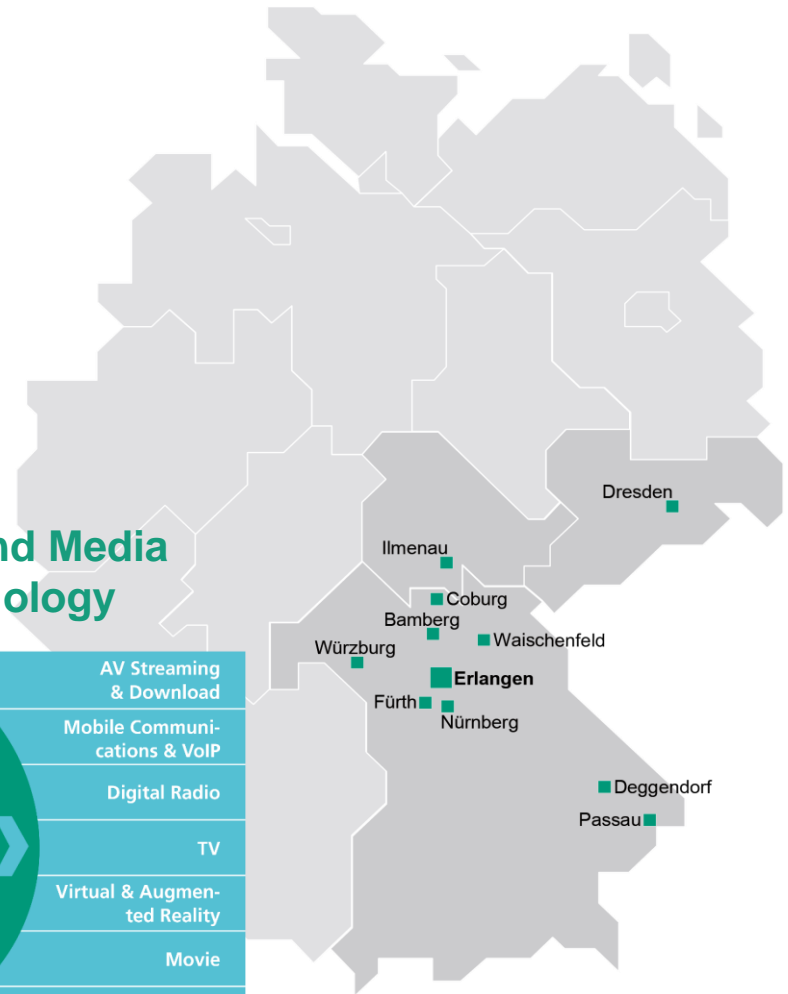
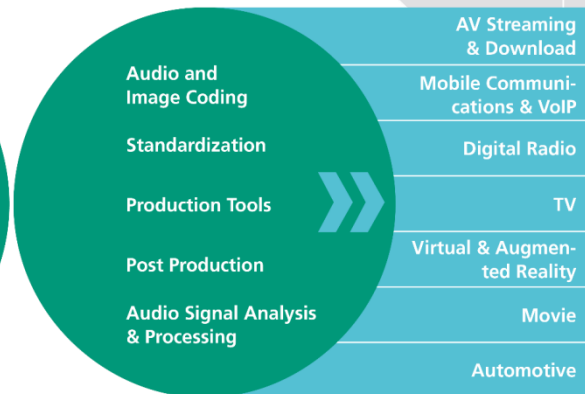
House of mp3

- Founded in 1985
- Largest of 72 Fraunhofer Institutes
- 184 Mio € budget in 2017
- Biggest share of funding by industry
- Headquarter in Erlangen

Cognitive Sensors Technology



Audio and Media Technology



INTERNATIONAL SCIENCE CAMPUS

Female students with STEM background

4 Days (8th to 11th April, 2019), Germany

Research, Management, Networking and Socializing

- The International Science Campus, organized by the headquarters of Fraunhofer, brings together female Spanish and German students
- One-week workshop to learn more about an international career in science
- Why?
 - Fraunhofer is open to talents from the international research community
 - Fraunhofer's corporate mission is to support female scientists to reconcile their family and career
 - Fraunhofer aims to raise the profile of women in science
 - Fraunhofer enables you to enjoy access to a valuable economic and scientific network following your work experience in Germany

INTERNATIONAL SCIENCE CAMPUS

Female students with STEM background

4 Days (8th to 11th April, 2019), Germany

Research, Management, Networking and Socializing

The program provides a unique opportunity to forge personal and professional relationships. Participants:

- get free flights to Germany (Nürnberg) and back
- get free accommodation
- meet Fraunhofer experts from different institutes
- learn about postdoc and job opportunities
- acquire priceless applied research workshop and management training experience

2018 Program



Research

Insights into different institutes, research fields and the working life of a researcher



Management

Workshops, e.g., soft and presentation skills, time- and selfmanagement, design thinking, leadership, individual coaching



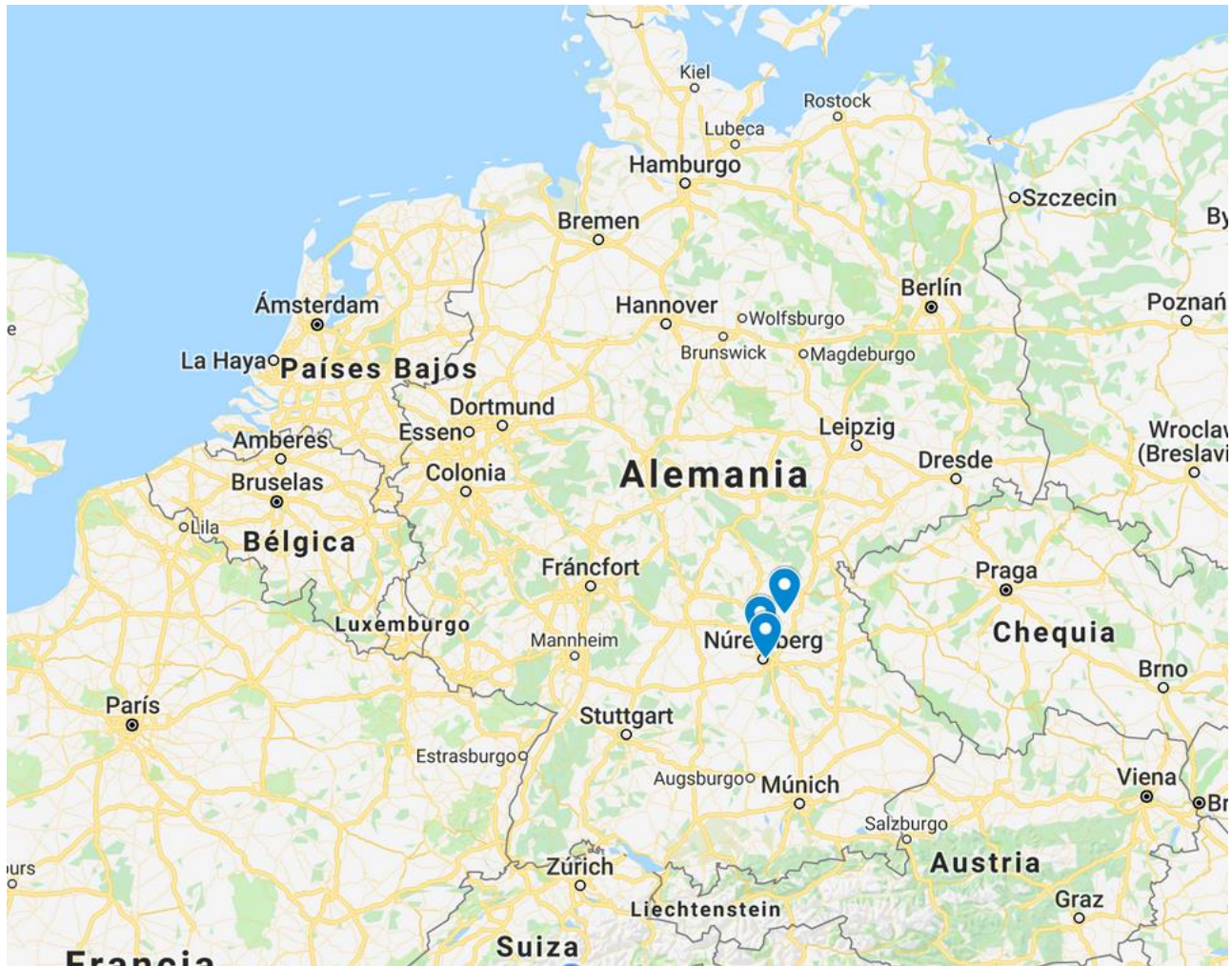
Networking

Evening events, e.g., geocaching, beach-Volleyball, wine tasting, »Terra Mineralia«, River Cruise, BBQ

VIDEO: RECAP INTERNACIONAL SCIENCE CAMPUS 2018



2019. Locations



2019. Locations: Waischenfeld



Fraunhofer Research Campus

- Opening in 2015
- Seminars, workshops, hackathon, ...

Waischenfeld facts:

- Around 3,074 inhabitants
- Situated in the Franconian Switzerland (*Fränkische Schweiz*)



2019. Locations: Erlangen



Headquarters Fraunhofer IIS

Erlangen facts:

- Around 113,164 inhabitants
- University of Erlangen-Nuremberg (Friedrich-Alexander-Universität), mathematician Emmy Noether



2019. Locations: Nürnberg



Research Area Positioning and Networks

Fraunhofer-Center for Applied Research on Supply Chain Services

Nürnberg facts:

- Around 515,201 inhabitants
- Friedrich-Alexander-Universität and Technische Hochschule Nürnberg



2019. Preliminary Program¹

SUNDAY 07.04.2019

- Evening: Arrival by plane, transfer to hotel

MONDAY 08.04.2019: **Opening Day**

- (TBC) Morning (ER/IIS) Morning event for International Students
- 11:30 – 13:00 (IIS) Welcome, national and international students
- 13:00 – 14:00 (IIS) Lunch
- 14:00 – 16:30 (IIS) Science Workshops
- 17:15 – 18:00 Joint shuttle to Fraunhofer Science Campus, Waischenfeld
- 18:00 – 22:00 (WA) Evening event

¹ Status on 17.12.2017. Subject to modifications

2019. Preliminary Program¹

TUESDAY 09.04.2019: **Business Day**

- 09:00 – 17:00 (WA) Management Workshops
- 18:00 – 21:00 (WA) Evening event

WEDNESDAY 10.04.2019: **Science Day**

Visit of different Fraunhofer Institutes

- 09:00 – 17:00 (TBA) Science Workshops
- 18:00 – 21:00 (WA) Evening event

¹ Status on 17.12.2017. Subject to modifications

2019. Preliminary Program¹

THURSDAY 11.04.2019 **Science Day:**

- 09:00 – 11:00 Joint shuttle from Waischenfeld to Erlangen
- 11:00 – 15:30 (TBA) Science Workshops
- 15:30 – 18:00 (IIS) Evaluation, awarding of certificates, Farewell
- (TBC) Evening Transfer to Nürnberg

FRIDAY 10.04.2019

Free time in Nürnberg

- Afternoon: Flight back to Madrid

¹ Status on 17.12.2017. Subject to modifications

How to Apply

Who can apply:

- Bachelor, Master and PhD female students from the ETSIST
- Have passed at least 35 ECTS
- Good oral and written English communication skills

Documents (to be sent to sre.etsist@upm.es):

- Motivation letter (English)
- CV (English), include contact e-mail!
- Grades (ideally English transcript)

Dates:

- 20.12.18: Applications deadline (ETSIST)
- 18.01.19: Announcement of selected participants
- 18-24.01.19: Book flight tickets (Fraunhofer pays the money back)

Links and contacts

- Subdirección de Relaciones Externas sre.etsist@upm.es
- Fraunhofer Institute for Integrated Circuits IIS, Nina Wörlein +49 9131 776-1684, nina.woerlein@iis.fraunhofer.de
- www.fraunhofer.de
- www.iis.fraunhofer.de

¡GRACIAS!