

ALL PROGRAMMABLE

ANY MEDIA

5G

4K/8K

ANY STANDARD

ANY MACHINE

ANY NETWORK

5G Wireless • Embedded Vision • Industrial IoT • Cloud Computing



ALL PROGRAMMABLE™



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Grant Agreement No. 751339

Build Your International Record With a  
Marie-Skłodowska-Curie-Fellowship  
*Thomas Preusser, Xilinx Research*

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XILINX > ALL PROGRAMMABLE™

# Background – Xilinx Research

# Background: Xilinx Research - Ireland

- Part of the CTO organization
- 9 (out of 35 worldwide) researchers
- With a very active internship program
  - 6-10 students & visiting scholars
- University Program
- Visiting professors on sabbatical



# Research Agenda: Applications & Architectures



Cloud Computing



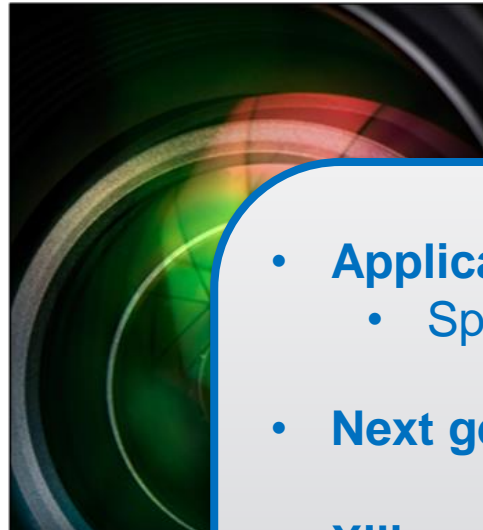
Embedded Vision



Industrial IoT



5G Wireless



- **Application-driven technology development**
  - Specific focus on Machine Learning & Computer Vision
- **Next generation silicon architectures**
- **Xilinx university program:**
  - PYNQ: Python productivity for Zynq
- **Working on open standards inside Khronos – SYCL**
  - Single-source Heterogeneous Programming for OpenCL

# H2020 Marie-Skłodowska-Curie Fellowships

# Marie-Skłodowska-Curie Actions

- A set of Horizon 2020 Instruments
- Bottom-up research funding focused on:
  - Developing the skills and career opportunities of individual researchers
  - On an international scale and
  - On all stages of their careers, from PhD candidate to experienced researcher.
- Further key ingredients:
  - International mobility,
  - Academic and non-academic cooperation.

# Funding Instruments

- ITN: Innovative Training Networks
  - PhD networks involving academia and industry.
- RISE: Research and Innovation Staff Exchange
  - Short-term international staff exchange (PostDoc+).
- COFUND
  - Add a focus on career development and mobility into existing research projects.
- IF: Individual Fellowships
  - Individual international research mobility grant (PostDoc+).

# Fellowship Types

- One year of each fellowship must be spent in the EU.
- Global Fellowship
  - 12-24 months + 12 months return
- European Fellowship
  - 12-24 months



# Fellowship Panels

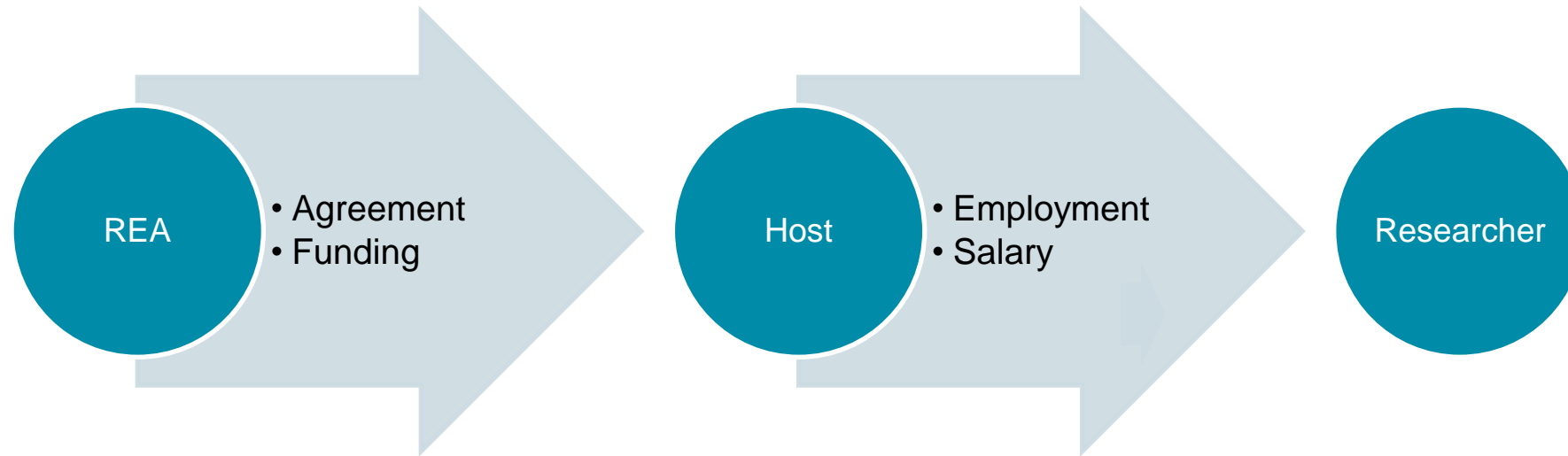
Panel	Condition	Budget 2016	Budget 2017	Budget 2018*
EF: Standard				
EF: Reintegration	Return to Europe	179.7 Mio.	205.0 Mio	220.0 Mio.
EF: Career Restart	Career break, e.g. parental leave, non-academic employment, ...			
EF: Society and Enterprise	Into non-academic sector	10.0 Mio.	10.0 Mio.	8.0 Mio.
GF: Global	12-month return period	29.0 Mio.	33.7 Mio.	45.0 Mio.

➤ International Mobility is a MUST.

➤ Tentative Timing:

- Next application deadline: 12 Sep 2018
- Evaluation: 5 months
- Grant agreement: 8 months

# Grant Structure



- Regular term-limited employment with social security benefits (health, pension, parental, invalidity).
- Competitive national lower bounds on compensation defined by EU.

# What is to deliver?

- Scientific Impact - Dissemination
  - Conferences, Workshops, Articles, ...
- Social Impact – Outreach
  - Schools, Science Nights, ...
- Career Impact
  - Committees, Position Offers, ...
- Commercial Impact
  - Patents, Products, ...

# How do you get there?

- Finish your PhD
- Keep an active research record
- Search for an interesting partner – *beyond the usual suspects!*
- Develop a joint research plan
  
- Read the current:
  - Horizon 2020 Work Program and relevant Annexes.
  - Guide for Applicants.
    - *The evaluation criteria are fully transparent!*
- Seek the contact with the national offices and representatives.
- Start *now* to build your 2018 application!

# Why should you go there?

- It is a great experience and career step.
- Very attractive for your potential host – ***Reach for the stars!***
- Do something new and add spice to your CV.

# Links

➤ Workprogram 2018-2020 (tentative):

[https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/03.\\_h2020-msca-2018-2020\\_post\\_isc\\_post\\_pc\\_for\\_pre-publication.pdf](https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/03._h2020-msca-2018-2020_post_isc_post_pc_for_pre-publication.pdf)



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