The Israel-Europe R&D Directorate

המנהלת הישראלית למו"פ האירופאי

# מענקי מחקר ופיתוח לשנת 2017

# בנושאי תכנה, איחסון נתונים ומחשוב

## Focus:

- Customised and low power computing, including low power processor technologies
- Cloud Computing
- High performance computing

## Funding Tools for Israeli Partners: Horizon 2020

- Consortium - At least 3 partners from 3 different European Member States (including Israel)
- Funding tools:
  - Research & Innovation Action (RIA) - Development of new technology, product, service or solution – 100%
  - Innovation Action (IA) - Implementation of R&D results – 70%
  - SME Instrument - Phase 1 - feasibility study (50 K€ per project), Phase 2 - innovation projects (70% funding), Phase 3 - indirect support measures and services (no funding)
- Indirect costs - 25%
- No Royalties payment
- IPR - no EU share of the developed IP

ISERD

מקיימת מפגשי

הכוונה שבועיים

לתוכניות

המו"פ

באירופה

הרשמה בטלפון:

03-5118122

## Relevant Agendas and Platforms:

- **NESSI** technology platform - http://www.nessi-europe.eu
- **ETP4HPC** Computing & Quantum technology platform - http://www.etp4hpc.eu

**www.iserd.org.il**

| Objective | Funding Tools | Budget | Deadline |
|---|---|---|---|
| **ICT-05-2017: Customised and low energy computing** | | | 25 April 2017 |
| a. Provide programming environments and tools optimised for specific application domains of significant economic value, ideally covering the complete software stack from runtime systems to application programming (4-6 M€ per project)<br>b. Providing innovative processor designs delivering a substantial and measurable improvement over the current state of the art in energy/performance ratio for typical high performance computing and server workloads (6-10 M€ per project) | Research & Innovation (100%) | 30 M€ | |
| c. Structuring and connecting the European academic and industrial research and innovation communities | Coordination & Support (100%) | 2 M€ | |
| **EUB-01-2017: Cloud Computing** | | | 14 March 2017 |
| Development of innovative technologies for next generation cloud infrastructures and services<br>(1-1.5 M€ per project) | Research & Innovation (100%) | 2.5 M€ | |
| **FETHPC-01-2016: Co-design of HPC systems and applications** | | | 27 September 2016 |
| Ground-breaking approaches to system architectures targeting extreme scale, power-efficient and highly resilient platforms with emphasis on balanced compute and data access characteristics.<br>(10-20 M€ per project) | Research & Innovation (100%) | 41 M€ | |
| **FETHPC-02-2017: Transition to Exascale Computing** | | | 26 September 2017 |
| High productivity programming environments for exascale;<br>Exascale system software and management;<br>Exascale I/O and storage in the presence of multiple tiers of data storage;<br>Supercomputing for Extreme Data and emerging HPC use modes;<br>Mathematics and algorithms for extreme scale HPC systems and applications working with extreme data<br>(2-4 M€ per project) | Research & Innovation (100%) | 40 M€ | |
| **FETHPC-03–2017: Exascale HPC ecosystem development** | | | |
| a. Coordination of the Exascale HPC strategy and International Collaboration<br>b. Excellence in Exascale Computing Systems<br>(1-2 M€ per project) | Coordination & Support (100%) | 4 M€ | |


**למידע נוסף- מחלקת ICT ו-Security:**

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