

מענקי מחקר ופיתוח לשנת 2017

בנושאי תקשורת, מובייל ומערכות תקשורת

Focus:

Technological developments in networks & photonics:

- Applications areas: Agile optical core and metro networks
- Enable several new services and applications in multiple environments, as identified notably by ITU, NGMN, 3GPP SA group and 5G PPP

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



Relevant Agendas and Platforms:

- **Photonics21 (European Technology Platform for photonics):**
<http://www.photonics21.org/>
- **Photonics PPP (Public-Private Partnership):**
<http://www.photonics21.org/AboutPhotonics21/Photonics-PPP/Structures-Processes-and-Statutes.php>
- **5G PPP (Advanced 5G Network Infrastructure for Future Internet PPP):**
<http://ec.europa.eu/digital-agenda/futurium/en/content/horizon-2020-advanced-5g-network-infrastructure-future-internet-ppp-creating-smart-network>



Objectives and funding tools:

| Objective | Funding Tools | Budget | Dates |
|---|--------------------------------|--------|-----------------|
| ICT-30-2017: Photonics KET 2017 | | | |
| a. Application driven core photonic technology (6-8 M€ per project), photonic integrated circuit (PIC) technology(3-4 M€ per project), disruptive approaches to optical manufacturing by 2 and 3 D opto-structuring (3-4 M€ per project) | Research & Innovation (100%) | 43 M€ | 25 April 2017 |
| b.1. Reinforce the competitiveness of photonics and end-user industries, in particular SMEs (8-10 M€ per project) b.2. Address validation and demonstration of photonic based systems for the target applications (6-8 M€ per project) | Innovation (70%) | 43 M€ | |
| c. Supporting the industrial strategy for photonics in Europe | CSA (100%) | 3 M€ | |
| ICT-07-2017: 5G PPP Research and Validation of critical technologies and systems | | | |
| Wireless access and radio network architecture/technologies, high capacity elastic - optical networks, "Software Network" (5-8 M€ per project) | Research & Innovation (100%) – | 101 M€ | 8 November 2016 |
| ICT-08-2017: 5G PPP Convergent Technologies | | | |
| a. Ubiquitous 5G access leveraging optical technologies, flexible network applications (5-8 M€ per project) | Innovation (70%) | 40 M€ | 8 November 2016 |
| b. Cooperation in access convergence (2.5 M€ per project) | RIA (100%)– | 5 M€ | |
| ICT-09-2017: Networking research beyond 5G | | | |
| Scientific and technology advances for novel use of the spectrum potential, advanced signal processing, demand-attentive and cooperation networking (2-3 M€ per project) | RIA (100%)– | 19 M€ | 8 November 2016 |
| EUB-03-2017: 5G Networks | | | |
| Test and validate technologies currently contemplated for early 5G standardization and validate technologies supporting 5G KPIs that cannot be addressed by today's existing technologies | Research & Innovation (100%) | 1 M€ | 14 March 2017 |

למידע נוסף - מחלקת ICT ו-Security:

אביב זאבי: 03-5118121, 054-6622112 aviv@iserd.org.il

הדס דאר: 03-5118123 hadas@iserd.org.il

טליה פסיאר: 03-5118158 talia@iserd.org.il

מיה קידר פריזנט: 03-5118167 maya@iserd.org.il