

## מענקי מחקר ופיתוח לשנת 2017

### בנושאי רובוטיקה ומערכות אוטומטיות

#### Focus:

- **Generic technology**, developing **RAS** (Robotics and Autonomous Systems) **building blocks** in the form of key technical capabilities, **market-led prototypes** directly involving end users
- Increase RAS system ability levels: configurability, adaptability, motion, manipulation, decisional autonomy, dependability, interaction, perception and cognitive ability

#### 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:

- **Robotics Technology Platform** <http://sparc-robotics.eu/>
- **Robotics PPP (Public-Private Partnership):**  
euRobotics AISBL <http://www.eu-robotics.net/>

Objective	Funding Tools	Budget	Deadline
<b>ICT-25-2016-2017: Advanced robot capabilities research and take-up</b>			
a. Address generic advances and technical capabilities with research into novel technical advances in robotics, and to achieve changes in the capabilities of the following high priority RAS technologies (2-4 M€ per project)	Research & Innovation (100%)	15M€	25 April 2017
b. Improve the deployment prospects of RAS through end user-driven application developments, and fill technology or regulatory gaps through end user (2-4 M€ per project)	Innovation (70%)	19M€	
<b>ICT-27-2017: System abilities, SME &amp; benchmarking actions, safety certification</b>			
a. Focus on advancing the state of the art in the level of smart robotics system abilities (2-4 M€ per project), stimulate SMEs in the robotics sector to develop novel and challenging technology and systems applicable to new markets (5-8 M€ per project)	Research & Innovation (100%)	30 M€	25 April 2017
b. Development of testing protocols for shared space cooperative and collaborative systems leading to viable safety certification standards (6-11 M€ per project).	Innovation (70%)	11 M€	
<b>ICT-28-2017: Robotics Competition, coordination and support</b>			
a. Non-technical barriers to robotics take-up (up to 3 M€ per project) b. Standards and Regulation (up to 3 M€ per project) c. Community support and outreach (up to 3 M€ per project) d. Organizing robotics competitions (up to 2 M€ per project)	Coordination & Support (100%)	5 M€	25 April 2017
<b>SFS-05-2017: Robotics advances for precision farming</b>			
focus on the design, development and testing of robotics systems for precision farming, including autonomous or semi-autonomous farm vehicles or sophisticated sensors and intervention mechanisms (2-4 M€ per project)	Research & Innovation (100%)	7 M€	14 February 2017

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לשכת המדען הראשי  
משרד התמ"ת



משרד המדע הטכנולוגיה  
והחלל



הועדה לתכנון ולתקצוב  
המועצה להשכלה גבוהה