

## מענקי מחקר ופיתוח לשנת 2017

### בנושאי מיקרו וננו-אלקטרוניקה

#### Focus:

- New approaches to scale functional performance of information processing and storage substantially
- Materials, processes, device and component architectures, system micro-architectures (processor and memory), security, design, modelling, simulation and nano-characterization
- Technologies exploiting the quantum effects in solid-state devices
- 3D sequential integration (at transistor scale) possibly mixed with 3D parallel integration (at circuit level) for system solutions

#### 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:

- **AENEAS**- association for European Nano-Electronics Activities: <http://www.aeneas-office.eu/web/index.php>



Objective	Funding Tools	Budget	Deadline
<b>ICT-31-2017: Micro- and nanoelectronics technologies</b>			
a. Scale functional performance of information processing and storage substantially, 3D sequential integration. (2-4 M€ per project)	Research & Innovation (100%)	19 M€	25 April 2017
b. Equipment Assessment Experiments. (1-2 M€ per project)	Innovation (70%)	3 M€	
c. Promoting the attractiveness of careers in micro/nanoelectronics towards young people (up to 0.5 M€ per project)	Coordination & Support (100%)	1 M€	
<b>ECSEL: The Electronic Components and Systems Joint Undertaking</b>			
Electronic Components and Systems – Smart mobility, society, energy, health, production. Semiconductor process equipment materials, design technologies, cyber-physical systems	Research & Innovation Action & Innovation Action	~400 M€	24 May 2016,  20 September 2016

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Israeli Industry Center For R&D



לשכת המדען הראשי  
משרד התמ"ת



משרד המדע הטכנולוגיה  
והחלל



הועדה לתכנון ולתקצוב  
המועצה להשכלה גבוהה