

CREST R&D GRANT CYCLE 1'2018

OPEN 1st Jan 2018

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CLOSING DATE 28th Feb 2018

The CREST R&D Grant supports collaborative research activities between industry and academia in various science and engineering disciplines relevant to Electrical & Electronic sector. The grant is intended to drive new technology development and innovation of products and solutions for the intended market.

CREST offers the fund via the packages below, each with different incentives.

Focus Clusters & Domain Areas for Industry-Academia Collaborative Research

Cluster	1. Opto-electronics, LED and Solid State Lighting	2. Embedded System & Internet of Things	3. IC Design, Test & Validation	4. Advance Materials & Packaging	5. World-Class Electronics Manufacturing	6. Drones, Driverless & Autonomous Vehicle
Domain Area	Compound semiconductor engineering (III-V)	Data Analytics, Big Data Science, Security	Advanced testing (IC/Board/SW) - Probe cards, JTAG	Semiconductor device packaging - Multi-chip packaging (TUV, TSV)	Industrial Automation & Robotic	Autonomous aerial vehicle technology
	Thermal materials	Advanced wireless communication	IC Design automation	Cheaper Epoxy/Materials for Mass-Market Optoelectronics	Low Volume, High Mix (adaptable mfg)	Gyroscopic stabilisation system
	Advanced Polymers (and Packaging)	Sensors & Sensing	Advanced Logic Emulation	Compound semiconductor engineering (III-V)	Smart factory, IoT in manufacturing	Closed-loop digital control system
	High Power Electronics Interconnect	Energy systems - harvesting, storage, management	UI/UX-specific SoC/IC/FPGA design	Nano-materials and structures for interconnects, circuitry, thermal management	Additive Manufacturing & 3D Printing Technology	GPS and geo-fencing technology
	Optical Inspection of semi-translucent surface	Organic, Printable electronic		Materials for 3D printing, inkjet printing, flexible electronics	Integrated Design to Manufacturing, Supplier in Design	Navigation and guidance
	Smart, Autonomous Lighting System	Wearables			Connected Supply Chain	Lightweight materials
	Visible Light Communication	Markets – healthcare, transportation, manufacturing, retail, smart city, agriculture			Computer Integrated Mfg; Efficient Mfg Scheduling System	Energy efficient drives

Open R&D Grant

- Since June 2012
- Main aim to promote industry- driven research collaboration in areas relevant to E&E sector

Targeted R&D Grant

- Since Sept 2014
- Main aim to develop IP in specific domain for benefit of larger ecosystem
- Cluster focused