

**PRIZE WINNERS
FOR THE 2018 AWARDS
OF THE DIMITRIS N. CHORAFAS FOUNDATION**

**Scientific Advisor:
WEIZMANN INSTITUTE OF SCIENCE,
FEINBERG GRADUATE SCHOOL**

**The Partner Universities are Listed in Alphabetic Order
July 2018**

CLASSIFICATION OF PRIZES

Life Sciences/Medicine	11
Physics	7
Informatics/Computer Science	5
Chemistry	5
Engineering of Finance and Risk Management	1
Mathematics	1
Total	30

GENDER DISTRIBUTION

Men	18
Women	12

Charles University of Prague

Dr. Denis COPILAS-CIOCIANU

Biogeography, Phylogeny, Ecology and Systematics of Epigeic Freshwater Amphipoda in THE Carpathian Arc and Beyond

City University London, Cass Business School

Silvana PESENTI (Ms)

Robustness and Sensitivity of Risk Evaluation

Ecole Polytechnique de Lausanne

Dr. Heidi POTTS (Ms)

Gold-Free Growth of InAs Nanowires: Growth, Structural and Electrical Characterization

Dr. Manolis KARPATHIOTAKIS

Just-in-Time Analytics Over Heterogeneous Data and Hardware

ETH Zürich

Dr. Tomas BZDUSEK

Symmetry and Topology of Nodal Semimetals

Dr. Murielle DELLEY (Ms)

Molecular-Level Understanding of Structure and Reactivity of Isolated Chromium Sites on Oxide Surfaces

George Washington University

Dr. Katharine WRIGHT

Structural and Functional Analysis of Human MID1 B-box1 E3 Ligase Domain: Implications to X-linked Opitz Syndrome and Overall MID1 Function

Hebrew University of Jerusalem

Ido SAGI

Studying Parental Imprinting and Haploid Biology in Human Pluripotent Stem Cells

Hiroshima University

Dr. Takashi UMEHARA
A Study on the Role of Neuregulin 1 in Mammalian Fertility

Karolinska Institutet

Dr. Bianca TESI
Genetic Studies of Susceptibility to Inflammation, Autoimmunity, and Hematological Malignancy

Massachusetts Institute of Technology

Dr. Chiraag JUVEKAR
Hardware and Protocols for Authentication and Secure Computation

Dr. Sara MOURADIAN
Scalable Solid State Quantum Information Processing

National Technical University of Athens

Konstantinos BRAIMAKIS
Theoretical and Experimental Evaluation of Low Grade Heat Source Electricity Generation Systems

Dr. Panagiotis BOUSOULAS
Nanoelectronic Memory Devices

Norwegian University of Science and Technology

Dr. Jørgen ENDAL
On Degenerate Parabolic Problems with Local and Nonlocal Diffusion

Politecnico di Milano

Dr. Alessandro FALSONE
Distributed Decision Making with Application to Energy Systems

Dr. Giuseppe DE NITTIS
Patrolling Adversarial Environments Exploiting an Alarm System

Purdue University

Dr. Shehrin SAYED

Transport Theory for Materials With Spin-Orbit Coupling: Physics to Devices

Technical University of Berlin

Dr. Jan Frederik TOTZ

Synchronization and Waves in Confined Complex Active Media

Dr. Elena MATTA

Multi-dimensional Flow and Transport Modeling of a Surface Water Body in a Semi-Arid Area: the Case of the Icó-Mandantes Bay, Northern Brazil

Technical University of Munich

Dr. Tobias HELBICH

Two-dimensional Nano Hybrid Materials: Functionalization of Photoluminescent Silicon Nanosheets

Dr. Lara Angelika Dorothee KUNTZ

The Enthesis: Nature's Solution to a hard-soft Interface

Tokyo Institute of Technology

Dr. Eri Shibata (Ms)

Investigation of the role and fate of wound epidermis during zebrafish fin tissue regeneration

Dr. Kentaro ITO

Molecular mechanisms of DNA strand exchange reaction mediated by Rad51 in homologous recombination

Tsinghua University

Dr. Ruixue WAN (Ms)

Structural and Mechanistic Investigations of Yeast Spliceosome

Dr. Eryin WANG

Angle-resolved Photoemission spectroscopy Studies of 2D Material Heterostructures

University of California, Los Angeles (UCLA)

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University of Fribourg

Dr. Baptiste HILDEBRAND

*A Local Real-Space View of the 1T-TiSe₂ Charge Density Wave***University of Toronto**

James Donald BROWNE

*Investigating the Mechanisms by which Serotonin Influences Incentive Motivation***Weizmann Institute of Science**

Dr. Aleksandra DECZKOWSKA

Immunological Signature of Choroid Plexus and Microglia Negatively Regulate Brain Function in Aging

Dr. Elena MEIRZADEH

The Beauty of Imperfections – Studied in Molecular Crystals by Pyroelectricity

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2018 Prizes
(Partner Universities in alphabetic order)

Partner University	Number of Prizes	Men	Women
Charles University of Prague	1	1	-
City University of London	1	-	1
Ecole Polytechnique Fédérale de Lausanne	2	1	1
ETH Zürich	2	1	1
George Washington University	1	-	1
Hebrew University of Jerusalem	1	1	-
Hiroshima University	1	1	-
Karolinska Institutet	1	-	1
MIT	2	1	1
National Technical University of Athens	2	2	-
Norwegian University of Science and Technology	1	1	-
Politecnico di Milano	2	2	-
Purdue University	1	1	-
Technical University of Berlin	2	1	1
Technical University of Munich	2	1	1
Tokyo Institute of Technology	2	1	1
Tsinghua University	2	1	1
UCLA Engineering ¹	-		
University of Fribourg	1	1	-
University of Toronto	1	1	-
Weizmann Institute of Science	2	-	2
Total 2018	30	18	12