



NATIONAL ACADEMY OF SCIENCES



U.S. - Egypt Science and Technology Joint Fund

2019 JOINT FUND SYMPOSIUM

NOVEMBER 20-21

CONRAD CAIRO HOTEL

1191 NILE CORNICHE, CAIRO, EGYPT

The 2019 Joint Fund Symposium will highlight the plans and accomplishments of current and former grantees of the U.S. - Egypt Science and Technology Joint Fund. This Symposium will provide an opportunity for grantees to meet other program participants, discuss their research plans, and present the outcomes of past collaborative scientific research projects.

Wednesday, November 20

Location: Salon Diplomat

10:00 – 10:45 Welcome

Dr. Emad Hegazi, *Executive Director, Science and Technology Development Fund (STDF)*

Mr. Robert Powers, *Director, Office of Education and Health, USAID/Egypt*

10:45 – 11:15 Program Expectations

Dr. Tamer Abuelfadl, *U.S. - Egypt Coordinator, Science and Technology Development Fund (STDF)*

Ms. Negin Sobhani, *Program Officer, The National Academies of Sciences, Engineering, and Medicine (NAS)*

Discussion and Q&A

11:15 – 11:30 Group Photo

11:30 – 11:45 Coffee Break

11:45 – 13:15 Alumni PI Panel: Lessons Learned and Best Practices

Moderators:

Dr. Sherein Abd El-Moez, *Project Officer, Science and Technology Development Fund (STDF)*

Dr. John Boright, *Executive Director, International Affairs, The National Academies of Sciences, Engineering, and Medicine (NAS)*

Panelists:

Dr. Aly El-Shafei, *Cairo University* (representing the Cycle 2 project: *Development of Predictive Maintenance Management Software*, the Cycle 4 project: *Fault Diagnosis of Rotor Bearing Systems Using Neural Networks and Fuzzy Logic*, and the Cycle 16 project: *Experimental Investigation and Control of the Integrated JB/AMB*)

Dr. Adel Talaat, *University of Wisconsin* (representing the Cycle 14 project: *Patho-Genomic Surveillance of *M. paratuberculosis* causing Johne's Disease in Egyptian Cattle*, and the Cycle 16 project: *Genomic Characterization of Bovine Tuberculosis in Cattle Herds in Egypt*)

Dr. Mohamed Sultan, *Western Michigan University* (representing the Cycle 1 project: *Assessment and Remediation of Industrial Sources of Lead in Cairo's Air*, the Cycle 7 project: *A Web-based GIS for Egypt's Geological Datasets*, the Cycle 9 project: *Renewable Groundwater Resources in Sinai*, and the Cycle 15 project: *Evaluating Subsidence in the Nile Delta using Radar Interferometry*)

Dr. Nahla Ismail, *National Research Centre* (representing the Cycle 12 project: *Synthesis, Characterization and Evaluation of New Hydrogen Storage Materials* and the Cycle 15 project: *Mixed Oxide Nanotube Arrays for Solar Energy Conversion: Materials Optimization, Charge Carrier Dynamics and Photothermal Characteristics*)

13:15 – 14:30 Lunch

14:30 – 16:15 Project Flash-Talk Presentations (5-minutes each)

Moderator: Ms. Negin Sobhani, *Program Officer, The National Academies of Sciences, Engineering, and Medicine (NAS)*

Presenters: PIs from half of the project teams (Group 1)

16:15 – 17:00 Coffee Break and Set Up for Poster Session

17:00 – 18:00 Poster Session

Poster presentations by Cycle 17 - 19 project teams

Thursday, November 21

10:00 – 11:15 Forum and Discussion on Program Policies

Location: Salon Diplomat

Dr. Tamer Abuelfadl, *U.S. - Egypt Coordinator, Science and Technology Development Fund (STDF)*

Ms. Negin Sobhani, *Program Officer, The National Academies of Sciences, Engineering, and Medicine (NAS)*

11:15 – 11:30 Coffee Break

11:30 – 13:15 Project Flash-Talk Presentations (5-minutes each)

Moderator: Mr. Nicholas MacSeoin, *Associate Program Officer, The National Academies of Sciences, Engineering, and Medicine (NAS)*

Presenters: PIs from second half of the project teams (Group 2)

13:15 – 13:30 Closing Remarks and Thanks

Dr. Emad Hegazi, *Executive Director, Science and Technology Development Fund (STDF)*

Mr. Charles Fee, *Economic Officer, U.S. Embassy Cairo* and Mr. Alex Temple, *Innovation Policy Analyst, United States State Department*

13:30 – 14:45 Lunch

14:45 – 18:00 Individual Project Team Meetings with NAS and STDF