

08.00-08.30	Registration and Coffee	12.35-12.55	Jean-François ROBILLARD, Ass. Prof, Institut d'Electronique, de Microélectronique et de Nanotechnologie (UMR8520, CNRS and Université de Lille 1, Université de Valenciennes, Institut Supérieur de l'électronique et du numérique) <i>Unconventional Principles of Thermoelectric Generation</i>
08.30-09.00	Opening remarks by Alain FUCHS, President of CNRS and Zvi TAL, Minister Plenipotentiary of Israel Institutional presentation of BGU, Amos DRORY, Vice President for External Affairs Institutional presentation of the French Ministry of Higher Education and Research (MESR), Pascal FOUILLAT, Head of the "Mathematics, Physics, Nanosciences, STIC" department	13.00-14.30	Lunch and Group Photo Opportunity at Campus Gérard Mégie
09.00-09.10	Opening of the first session by Marielle COSTE, Veolia environment, Head of the Physical-Chemical Processes	14.30-14.40	Opening of the third session by Bertrand DEMOTES MAINARD, Thales, Vice President of the Technical Office
09.10-09.40	Smadar COHEN, Director, Regenerative Medicine and Stem Cell (RMSC) Research Center, and professor at the Avram and Stella Goldstein-Goren Department of Biotechnology Engineering, BGU <i>Engineering materials for regenerative medicine and drug delivery</i>	14.40-15.10	José-Alain SAHEL, Prof., Institut de la vision (UMR UMR7210, CNRS and Université Pierre et Marie Curie – Paris 6, INSERM) <i>Strategies for vision restoration: from visual processing to prosthetics and optogenetics</i>
09.40-10.00	Loïc AUVRAY, DR CNRS, Laboratoire de Matière et Systèmes Complexes (MSC) (UMR 7057, CNRS and Université Paris Diderot – Paris 7) <i>Transport of synthetic and biological macromolecules through nanopores</i>	15.10-15.30	Julie GROLLIER, CR CNRS, Unité mixte de physique CNRS/Thalès (UMR137, CNRS and Thales) <i>Nanodevices for bio-inspired computing</i>
10.00-10.20	Yuval GOLAN, Director, Ilse Katz Institute for Nanoscale Science and Engineering, and professor at the Department of Materials Engineering, BGU <i>New insights on wet chemical synthesis of functional nanomaterials</i>	15.30-15.50	Lital ALFONTA, professor at the Department of Biotechnology Engineering, BGU <i>Nanotechnology and Synthetic-Biology</i>
10.20-10.40	Frédéric CHERIOUX, DR CNRS, Franche-Comté Electronique Mécanique Thermique et Optique- Sciences et Technologies (FEMTO-ST) (UMR 6174, CNRS and Université de Franche-Comté) <i>From a Single Molecule to Array of Molecular Rotators on a Silicon Surface</i>	15.50-16.10	Marc LAMY DE LA CHAPELLE, Prof., Laboratoire de Chimie, Structures et Propriétés de Biomatériaux et d'Agents Thérapeutiques (CSPBAT) (UMR 7244, CNRS and Université Paris 13 Paris Nord) <i>Development of a new optical nanobiosensor for disease diagnosis</i>
10.55-11.15	Coffee Break and Posters	16.10-16.30	Coffee Break and Posters
11.15-11.25	Opening of the second session by Didier NOEL, EDF R&D, Senior Scientist Chemistry, Nanotechnology	16.30-16.40	Opening of the fourth session by Juvelino DA SILVA, BOWEN, Chief Executive Officer
11.25-11.55	Thomas EBBESEN, Prof., Institut de Science et d'Ingénierie Supramoléculaires (ISIS) (UMR7006, CNRS and Université de Strasbourg) <i>Hybrid light-matter states: potential for molecular and material science</i>	16.40-17.10	Gabby SARUSI, professor at the Department of Electro-Optics Engineering, BGU <i>Nano-photonics based devices for up-conversion SWIR to visible imaging</i>
11.55-12.15	Serge COSNIER, DR CNRS, Département de Chimie Moléculaire (DCM) (UMR 5250, CNRS and Université Joseph Fourier Grenoble) <i>Supramolecular biological assemblies for biosensors and biofuel cells</i>	17.10-17.30	Niko HILDEBRANDT, Prof., Institut d'électronique fondamentale (IEF) (UMR8622, CNRS and Université Paris Sud 11 - Orsay) <i>Quantum dot-based FRET (Förster Resonance Energy Transfer) for multiplexed biosensing</i>
12.15-12.35	Yaniv GELBSTEIN, Senior Lecturer at the Department of Materials Engineering, BGU <i>Nano-energy: thermoelectric materials for energy conversion applications</i>	17.30-17.50	Pascale SENELLART, DR CNRS, Laboratoire de photonique et de nanostructures (LPN) (UPR20) <i>Cavity quantum electrodynamics with semiconductor quantum dots</i>
		17.50-18.30	Conclusions by Lauriane d'ALENÇON, Solvay