

## META-Tech workshop – Schedule

### Wednesday, June 7<sup>th</sup>

09:00-09:15 – opening remarks

#### **09:15-11:00 session I**

09:15-09:45 - Erez Hasman, Technion, TBA

09:50-10:20 - Mark Brongersma, Stanford University, "Resonant Semiconductor Nanostructures for Optoelectronic Devices"

10:25-10:55 - Anthony Grbic, University of Michigan, "Field Control with Electromagnetic Metasurfaces"

**10:55-11:25 – coffee break**

#### **11:25-13:10 session II**

11:25-11:55 - David Smith, Duke University "Exploring the Use of Metasurface Apertures for Imaging and Sensing"

12:00-12:30 - Thomas Searles - Howard University, "Asymmetric Metasurfaces for Terahertz Modulators and Ultrasensitive Biosensors Metamaterials"

12:35-13:05 - Yaakov (Koby) Scheuer, Tel Aviv University, "Towards reconfigurable metasurfaces using phase change materials"

**13:10-14:10 - Lunch**

#### **14:10-16:00 session III**

14:10-14:40 - Uriel Levy, HUJI, "Dielectric metasurfaces: Degrees of freedom and advanced configurations"

14:45-15:15 - Jon Schuller, U. Cal. Santa Barbara, "Widely Tunable Semiconductor Mie Resonators for Reconfigurable Metasurfaces"

15:20-15:50 - Ben-Zion Steinberg, Tel Aviv University " Waves unchained"

**15:50-16:20 - coffee break**

#### **16:20-18:00 session IV**

16:20-16:50 – Ariel Epstein, Technion, "Perfect wide-angle beam manipulation with omega-bianisotropic metasurfaces"

16:55-17:25 - Tal Schwartz, Tel Aviv University, "Tailoring material properties with confined photons"

17:30-18:00 – Pavel Ginzburg, Tel Aviv University, " Hyperbolic metamaterials for light and microwave applications"

**20:00 - Dinner**

## Thursday, June 8<sup>th</sup>

### **09:00-11:10 session I**

09:00-09:30 - Shanhui Fan, Stanford University, "Photonic structures for energy and thermal applications"

09:35-10:05 - Moti Segev, Technion, TBA

10:10-10:40 Donhee Ham, Harvard University, "Plasmons in flatland — from mass of massless graphene electrons to non-reciprocal networks with hydrodynamic gain"

### **10:40-11:10 – coffee break**

### **11:10-13:00 session II**

11:10-11:40 - Meir Orenstein, Technion, TBA

11:45-12:15 - Steven Weiss, ARL, TBA

12:20-12:50 - Yonatan Sivan, Ben-Gurion University, "Exact eigenmode formulation for open/lossy (nano-photonic) systems"

### **13:00-14:00 - Lunch**

### **14:00-16:00 session III**

14:00-14:30 - Haim Suchowski, Tel Aviv University, "Octave spanning coherent near-field imaging and spectroscopy"

14:35-15:05 - Michael Noyola, AFRL, TBA

15:10-15:40 - Tal Ellenbogen, Tel Aviv University, "Multispectral and Nonlinear Metasurfaces"

### **15:40-16:10 - coffee break**

### **16:10-18:00 session IV**

16:10-16:40 - Yakir Hadad, Tel Aviv University, "Hybrid-wave electromechanical artificial materials"

16:45-17:15 - Guy Bartal, Technion, TBA

17:20 – concluding remarks