

Monday 29 May 2023 @ Lopatie center

Chair: [Asher Friesem](#)

10:15 – 10:35 Opening words

10:35 – 11:00 Roberto Morandotti

Novel applications in integrated and fiber based devices: from quantum optics to photonics machine learning

11:00 – 11:45 Demetri Christoudelides

A thermodynamic formalism for multimode nonlinear optical systems

11:45 – 12:10 Moshe Horowitz

Time-locking of phase pulses

Lunch

Chair: [Israel Bar Joseph](#)

14:00 – 14:15 Opening words

14:15 – 15:00 Moti Segev

Photonic time crystals

15:00 – 15:25 Sunil Kumar

Femtosecond electronic currents in metallic heterostructures

15:25 – 15:50 Ori Katz

Coherent perfect absorption of arbitrary wavefronts

Coffee

16:25 – 16:50 Vaibhav Prabhudesai

Quantum Coherence and Electron Collisions

16:50 – 17:15 Adi Natan

Ultrafast real-space imaging of coherent to thermal dynamics

17:15 – 17:40 Yonatan Israel

Imaging at quantum limits

19:00 - 21:00 Dinner at Wolfson House

Tuesday 30 May 2020 @ Lopatie center

Chair: Ady Arie

09:00 – 09:15 Opening words

09:15 – 10:00 Sylvain Gigan

Theme and variations : Imaging in complex Media

10:00 – 10:25 Avi Pe'er

When Yaron asked a “naïve” question...: From ultra broadband entangled photons to ultrafast quantum technology

10:25 – 10:50 Yoav Lahini

Three short photonics stories: nonlinear to quantum and back

Coffee

11:15 – 12:00 Nir Davidson

TBA

12:00 – 12:25 Hagai Eisenberg

From Bell to Bell - a Solitary Journey on a Ring Road

Lunch

Chair: David Tannor

14:30 – 14:45 Opening words

14:45 – 15:30 Hui Cao

Targeted Light Delivery Deep Inside Strong-Scattering Media

15:30 – 15:55 Yaron Bromberg

Quantum light in complex media

15:55 – 16:20 Liqing Ren

Electronic-Resonance Coherent Anti-Stokes Raman Scattering Microscopy

Coffee

16:50 – 17:15 Radek Lapkiewicz

Fermat's principle for neurobiology and material processing

17:15 – 17:40 Anat Daniel

Backflow in classical two beams' interference

Wednesday 31 May 2023 @ Lopatie center

Chair: Nir Davidson

09:00 – 09:15 Opening words

09:15 – 10:00 Hervé Rigneault

Discussions with Yaron

10:00 – 10:25 Dan Oron

From third harmonic generation in bulk to temporal focusing

10:25 – 10:50 Dvir Yelin

Seeing the tympanic membrane vibrations

Coffee

11:15 – 12:00 Phil Bucksbaum

Controlling and viewing femtosecond motion in atoms and molecules

12:00 – 12:25 Nirit Dudovich

Attosecond interferometry

Lunch

Chair: Yehiam Prior

14:15 – 14:30 Opening words

14:30 – 15:15 Albert Stolow

*Chirp Modulation Stimulated Raman Scattering Microscopy: A Background-free
Imaging Method*

15:15 – 15:40 Haim Suchowski

Coherent control schemes in Nonlinear Optics

15:40 – 16:05 Barak Dayan

Large scale photonic quantum computation mediated by single atoms

Coffee

16:35 – 16:45 Closing remarks