

# National Israeli Astronomy Seminar Day 2018

Thursday 01.02.2018

09:00 – 09:30 **Gathering and coffee**

## Session I

09:30 – 09:40 **Welcome : Reem Sari**

Vice President for Research and Development

09:40 – 10:00 **Giacomo Fragione (HUJI):**

Gravitational Waves and Intermediate Massive Black Hole Retention in Globular Clusters

10:00– 10:20 **Lev Tal-Or (TAU):**

The CARMENES search for exoplanets around M dwarfs

10:20– 10:40 **Sivan Ginzburg (HUJI):**

Gaps in Inviscid Disks

10:40– 11:00 **Evgeni Grishin (Technion):**

Planetesimals capture and exchange by protoplanetary disks, catalyzed planet formation through planetesimal seeding and lithopanspermia

11:00 – 11:30 Coffee Break

## Session II

11:30 – 11:50 **Guy Nir (WIS):**

streak detection using the Fast Radon Transform

11:50– 12:10 **Itamar Reis (TAU):**

Detecting outliers and learning complex structures with large spectroscopic surveys

12:10– 12:30 **Kartick Sarkar (HUJI):**

Constraints on Fermi Bubbles from OVIII/OVII line ratio

12:30 – 14:00 – Lunch at “Beit Belgia”

## Session III

14:00– 14:20 **Fangzhou Jiang (HUJI):**

Is the dark-matter halo spin a predictor of galaxy spin and size?

14:20– 14:40 **Ana Acebron (BGU) :**

Strong lensing clusters as powerful tools for modern cosmology

14:40– 15:00 **Nathália Cibirka (BGU):**

The concentration parameter of massive galaxy clusters from a weak lensing analysis.

15:00 – 15:30 – Coffee Break

## Session IV

15:30 – 15:50 **Hila Glanz (Technion):**

Efficient common-envelope ejection through dust-driven winds

15:50– 16:10 **Yossef Zinnate (Technion):**

The properties, observational signature and demographics of neutron star - white dwarf mergers

16:10– 16:30 **Emanuele Sobacchi (BGU):**

A Common Central Engine for Long-Soft Gamma Ray Bursts and Type Ib/c Supernovae?

16:30– 16:50 **Daniel Kagan (BGU):**

Physics of the Saturation of Particle Acceleration in Relativistic Magnetic Reconnection

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