

Workshop on Fast Radio Bursts
MCGILL UNIVERSITY, JUNE 13-15 2017

Monday June 12th

6pm – Reception at McGill Space Institute, 3550 University Street, Montreal

Tuesday June 13th

8:50-9:00 Opening remarks/welcome

Overall FRBs and the Repeater

- 9:00-9:30 – Jason Hessels - "FRBs - an overview"
- 9:30-10:00 – Edo Berger - "Exploring the sources of FRBs via contextual and counterpart information"
- 10:00-10:30 **Coffee break**
- 10:30-11:00 – Shami Chatterjee - "FRB121102 and future localization efforts"
- 11:00-11:30 – Shriharsh Tendulkar - "The repeating FRB's host galaxy"
- 11:30-12:00 – Paul Scholz - "Simultaneous X-ray and Radio observations of FRB 121102"
- 12:10-1:30 **Lunch**
- 1:30-2:00 – Laura Spitler - "Radio Monitoring of FRB 121102 "
- 2:00-2:30 – Gregg Hallinan - "Constraining the Size of the Radio Counterpart to the Repeating FRB 121102"
- 2:30-3:00 – Eran Ofek - "A search for FRB 121102-like persistent radio-luminous sources"
- 3:00-3:15 – Tarraneh Eftekhari – On the Association of Fast Radio Bursts and Their Host Galaxies
- 3:15-3:45 **Coffee break**

Propagation effects

- 3:45-4:15 – Jim Cordes- "Scintillations and Lensing, Near and Far: FRB Surveys and Do All FRB Sources Repeat?"
- 4:15-4:45 – Dan Stinebring - "Galactic Pulsar Scintillation: evidence for glints from grazing-incidence sheets"
- 4:45-5:15 – Dana Simard - "A predictive, physical model of scintillation"
- 5:15-5:45 – Bryan Gaensler - "Constraints on FRBs from Dispersion Measures and Rotation Measures"

AstroMcGill Public Talk: Edo Berger "Gamma-Ray Bursts: The Biggest Explosions since the Big Bang" (7pm, McIntyre Medical Building, 3655 Promenade Sir-William-Osler, room 522)

Wednesday June 14th

The models

- 9:00-9:30 – Maxim Lyutikov - "Constraints on radiation mechanisms"
- 9:30-10:00 – Brian Metzger - "Connecting FRB 121102 to Millisecond Magnetar Birth"
- 10:00-10:30 **Coffee break**
- 10:30-11:00 – Andrei Beloborodov - "Fast Radio Bursts from Magnetars"
- 11:00 - 11:30 – Roger Blandford - "Coherent Radio Emission from Magnetar Starquakes"
- 11:30-12:00 – Sterl Phinney - "FRBs and AGN"
- 12:00-1:30 **Lunch**
- 1:30- 2:00 – Dan Maoz - "Finding the next Galactic extragalactic FRB"
- 2:00-2:30 – Eli Waxman - "On the origin and production mechanism of FRBs"
- 2:30-3:00 – David Eichler - "Nanolensing of FRB: Prospects for Detection"
- 3:00-3:30 **Coffee break**
- 3:30-4:00 – Ue-Li Pen - "FRB lessons (not) learned"

- 4:00-4:30 – “till we drop” – Discussion session

Conference Dinner - Thompson House

Thursday June 15th

The future

- 9:00-9:30 – Cherry Ng - ”CHIME FRB search - science goals and progress updates”
- 9:30-10:00 – Kendrick Smith - ”Search algorithms for fast transients”
- 10:00-10:30 – **Coffee break**
- 10:30-11:00 – Stefan Osłowski - ”Australian FRB searches: ASKAP, Molonglo, and Parkes”
- 11:00-11:30 – Vikram Ravi - ”The brightest FRBs: initial results from the Deep Synoptic Array prototype”
- 11:30-12:00 – Casey Law - ”The Next Interferometric FRB Localizations”
- 12:00 - Victoria Kaspi - ”Concluding remarks”
- **Lunch**