

CMSO Annual meeting, Swarthmore College, June 8-11

This meeting is also sponsored by JSPS Core-to-Core Program on CMSO

Final Agenda:

Note: Slot for talks includes time for discussion: 20 min slot = 15 min talk + 5 min discussion, 30 min slot = 20 min talk + 10 min discussion, 45 min slot = 30 min talk + 15 min discussion.

Tuesday, June 8

Young CMSO Scientist Workshop (10:30 AM-4 PM): SC 101, 15-20 people.

Discussions organized by Tim Gray. Presentations by M. Brown and M. Nornberg on careers in academia and government labs. Discussion of plasma turbulence. Box lunch from 320 Produce, BBQ in Harry Wood Garden afterwards for young CMSO

Wednesday, June 9 (turbulence), Science Center 101 Lecture Hall

Continental breakfast provided outside SC 101

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| 8:30-8:45 | Brown | Registration and welcome |
| 8:45-9:30 | Shay | Turbulence, reconnection, and the solar wind |
| 9:30-10:00 | Dorfman | MRX fluctuation results (disruptive current layers) |
| 10:00-10:30 | Thuecks | MST fluctuation results (high frequency edge fluctuations) |
| 10:30-10:45 Break (coffee provided) | | |
| 10:45-11:15 | Gray | SSX fluctuation results (MHD wind tunnel) |
| 11:15-11:45 | Smith | Simulations of scintillation from KAW turbulence |
| 11:45-12:15 | Malyshkin | Highlights of the workshop on imbalanced turbulence |
| 12:15-1:30 Box lunch provided (indoor Commons or outdoor garden for seating) | | |
| 1:30-2:00 | Li | PIC simulations of astrophysical wave dynamics |
| 2:00-2:30 | Berezniak | Turbulent reconnection and MHD turbulence |
| 2:30-3:00 | Boldyrev | Weak turbulence |
| 3:00-3:15 Break (coffee provided) | | |
| 3:15-3:45 | Aluie | Compressible MHD turbulence |
| 3:45-4:10 | Discussion Session | |
| 4:10-5:30 | Poster Session, Science Commons, 1 minute pre-talk | |
| 5:30 | Adjourn | Dinner on your own |

Thursday, June 10 (momentum), Science Center 101 Lecture Hall

Continental breakfast provided outside SC 101

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| 9:00-9:45 | Goodman | Tutorial on Accretion Disk Transport |
| 9:45-10:15 | Pessah | Saturation of the MRI |
| 10:15-10:35 | Roach | Update on Princeton MRI Experiment |
| 10:35-10:55 | Gissinger | Simulations of the Princeton MRI Experiment |
| 10:55-11:15 | Break (coffee provided)/poster session continues | |
| 11:15-11:45 | Herron | Gauging MRI for all magnetic Prandtl numbers |
| 11:45-12:05 | Colgate | Measurement of anisotropic, axially aligned turbulence in unstable Couette flow |
| 12:05-12:30 | Hui Li | Discussion on Disk transport |
| 12:30-2:00 | Box lunch provided (indoor Commons or outdoor garden for seating) | |
| 2:00-2:45 | Tobias | Angular momentum transport in the solar tachocline |
| 2:45-3:05 | Li | Analog of astrophysical MRI in a Couette-Taylor flow of polymer fluids |
| 3:05-3:25 | Ebrahimi | Hall-MHD simulations of MRI in the MPCX |
| 3:25-3:45 | Break (coffee provided)/poster session continues | |
| 3:45-4:05 | Nornberg | Recent progress on momentum transport in MST |
| 4:05-4:25 | Collins | Update on Plasma Couette experiment |
| 4:25-5:00 | Nornberg | Discussion |

Swarthmore Spheromak Experiment (SSX) tour

5:30 Cocktails and appetizers at Cosby Courtyard (adjacent to Scheuer Room)

6 PM Banquet in Scheuer Room (green salad... filet mignon, crusted salmon, roasted vegetables... new potatoes... cheesecake with blueberries)

Friday, June 11 (dynamo/reconnection/other), Science Center 101 Lecture Hall

Continental breakfast provided outside SC 101

9:00-9:45 Cattaneo/Forest Update on dynamo work (Cattaneo/Forest)

9:45-10:30 Bhattacharjee/Yamada Update on reconnection work

10:30-10:45 Break (coffee provided)

10:45-11:30 Ono

JSPS Core-to-Core Program for J-CMSO

11:30-12:00 Ji

Discussion of future reconnection experiments

12:00-12:20 Fichtner

Instabilities, Turbulence and Transport in
Cosmic Magnetic Fields -- Activities of a Plasma
Research Center at the
Ruhr-University of Bochum

12:30 Adjourn, assorted bag lunches provided (easy to carry to train or airport)