

## SciDAC ISEP Project Meeting & EP Workshop

January 23 - 24, 2019

Video conference ZOOM connection:  
<https://zoom.us/j/4677956119>

<b>DAY 1</b> <b>Wednesday, 1/23</b>	<b>UCI Student Center</b> <b>Moss Cove B</b>	<b>ISEP Project Meeting</b>
8:30-9:00	Project Overview	Lin (15min): progress and plan Discussions (15min)
9:00-9:45	<b>Task 3:</b> Reduced Transport Model	Gorelenkov (15min): RBQ Waltz (remote) (15min): CGM Discussions (15min)
<b>9:45-10:15</b>	<b>Coffee Break</b>	
10:15-11:00	<b>Task 4:</b> V & V	Spong (15min): verification Heidbrink (15min): validation Discussions (15min)
11:00-11:45	<b>Task 1:</b> Physics Simulation	Spong (15min): long time simulation Lin (15min): multi-physics simulation Discussions (15min)
11:45-12:30	<b>Task 2:</b> ISEP Framework	Lin (15min): GTC development P. Wang (15min): CAAR GTC GPU optimization Discussions (15min)
<b>12:30-14:00</b>	<b>Working Lunch: HPC</b>	Dettrick Podhorszki T. Williams (remote)
14:00-14:45	<b>Task 5:</b> Workflow & Data <b>Task 6:</b> Solvers	Klasky (15min): workflow and data management Falgout (remote, 15min): hypre Discussions (15min)
14:45-15:30	<b>Task 7:</b> Optimization & Portability	S. Williams (15min): optimization Tang (15): portability Discussions (15min)
<b>15:30-16:00</b>	<b>Coffee Break</b>	
16:00-17:00	Discussions with PAC	Nazikian, Porkolab, T. Williams, Zonca

**SciDAC ISEP Project Meeting & EP Workshop**  
**January 23 - 24, 2019**

<b>DAY 2</b>	<b>UCI Student Center</b>	<b>EP Workshop</b>
<b>Thursday, 1/24</b>	<b>Doheny Beach C</b>	
		Chair: Chen
8:30-9:00	Zonca	Spontaneous and stimulated generation of zonal structures by AEs
9:00-9:30	Porkolab	Alfven Eigenmode Studies with Active Antenna Excitation on JET
9:30-10:00	Podesta	Progress in reduced models for EP transport: lesson learned from the JRT-18 Milestone
<b>10:00-10:30</b>	<b>Coffee Break</b>	
		Chair: Duarte
10:30-11:00	Lestz	Hybrid simulations and theory of sub-cyclotron compressional and global Alfven eigenmodes in NSTX
11:00-11:30	Tang	FRNN
11:30-12:00	Mehta/Podhorszki	ADIOS-2
<b>12:00-13:30</b>	<b>Lunch</b>	
		Chair: Lestz
13:30-14:00	Bass	Effect of q-profile variation in the TGLF-EP+ALPHA AE-EP critical gradient model
14:00-14:30	Collins	Test of reduced models against DIII-D discharges
14:30-15:00	Heidbrink	Low frequency AEs
15:00-15:30	Magee	Energetic particle physics in FRC
<b>15:30-16:30</b>	<b>Coffee Break</b>	
		W. Wang
16:00-16:30	Vinicius Duarte	Scattering effects on the quasilinear dynamics of Alfven eigenmodes
16:30-17:00	Spong	Recent progress on EP gyrofluid models for linear and nonlinear applications
17:00-17:30	H. Wang/Liu (remote)	Recent GTC progress

**TAE tour:**

[TAE Technologies Inc.](#) has kindly offered to host a tour of FRC experiment at 9-10am Friday (1/25). Please notify Jan ([jstrudwi@uci.edu](mailto:jstrudwi@uci.edu)) if you would like to join the tour.