

Program of the ISSS-12 Simulation School as of June 09, 2015

<i>Time</i>	Friday, 3.7.2015	Saturday, 4.7.2015	Sunday, 5.7.2015	Monday, 6.7.2015
<i>08:45 – 09:00 Start</i>	Opening (Omura, Barta)	Organisational questions (Barta, LOC)	Organisational questions (Barta, LOC)	Organisational questions (Barta, LOC)
<i>09:00 – 09:45 Tutorial 1</i>	Introduction: History and Purpose of ISSS (Omura, 30 min.)	Gyrokinetics: Theory and simulation (Jenko)	MHD (Otto)	Fully two-way coupled 3D PIC-MHD simulation (Gombosi,)
<i>09:45 - 10:30 Tutorial 2</i>	Test particle calculations (Marchand, 60 min.)		Hall MHD (Huba)	Multi-Level Multi-Domain method (Innocenti, Lapenta)
<i>10:30 – 11:00 Coffee,</i>	Coffee, Posters	Coffee, Posters	Coffee, Posters	Coffee, Posters
<i>11:00 – 11:45 Tutorial 3</i>	Vlasov code kinetic simulation (Califano)	PIC 1D-2D (Omura, 60 minutes)	Hybrid Simulation (Burgess)	Exascale computing (Decyk, 60 minutes)
<i>11:45 - 12:30 Tutorial 4</i>		PIC: Spacecraft charging (Usui, 30 min.)	High performance supercomputing (Rampp)	Visualization: VisIt, ParaView (Rampp, 30 minutes)
<i>12:30 – 14:00</i>	Lunch	Lunch	Lunch	Lunch
<i>14:00 – 14:45 Hands-on 1</i>	Test particle calculations (Marchand)	Gyrokinetics (Jenko, Görler)	MHD (Otto, Widmer, Munoz)	Exascale computing (Decyk)
<i>14:45 – 15:30 Hands-on 2</i>			Hall MHD (Huba)	
<i>15:30 – 16:00</i>	Coffee, Posters	Coffee, Posters	Coffee, Posters	Coffee, Posters
<i>16:00 – 17:30 Hands-on 3/4</i>	Vlasov code kinetic simulation (Califano, Briand)	PIC 1D (Omura, Usui, Miyake)	Hybrid Simulation (Burgess)	Visualization by VisIt und ParaView (Rampp, Skala)
<i>17:30 – 18:00 Discussion, Posters</i>	Discussion, Posters	Discussion, Posters	Discussion, Posters	Discussion, Posters