ISSS12 **Symposium** — Daily Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
	July 6th	July 7th	July 8th	July 9th	July 10th
9.00–10.30	**ISSS12 SCHOOL**	**Welcome Session:** Němeček / Hellinger	**Session:** Colangeli / Valentini / Zelenyi	**Session:** Bhattacharjee / Amaya / Horiuchi	**Session:** Ono / Büchner / Chan
10.30–11.00		Coffee & Posters	Coffee & Posters	Coffee & Posters	Coffee & Posters
11.00–12.30		**Session:** Escoubet / Toffoletto / Ashour-Abdalla	**Session:** Lembège / Katoh / Miyake	**Session:** Muñoz / Jain / Cai	**Session:** Mazelle / Samsonov / Schriver
12.30–14.00		Lunch	Lunch	Lunch	Lunch
14.00–15.30		**Session:** Poedts / Walker / Chanteur	**Excursion**	**Session:** Hoshino / Spanier / Nishikawa	
15.30–16.00		Coffee & Posters		Coffee & Posters	
16.00–17.30		**Session:** Travnicek / Schriver / Liuzzo		**Session:** Deca / Jao / Sauer	
18.00–22.00	**18.00–19.00 Registration**				
	19.00–22.00 Welcome Party			**19.00–22.00 Conference Dinner**	

Color Codes

Symposium Office S6	**Lecture Hall S5**	**Computer LABs SU2 & SW2**	**Hall in front of Lecture Hall**	**Restaurant "Profesní dům" (basement)**	**Various Places (for details, see program below)**

Monday — July 6th

18.00–19.00	**Registration**	at the entrance to the Assembly Hall ("Refektář") of Mala Strana
19.00–22.00	**Welcome Party**	Assembly Hall / House of Professed ("Refektář") of Mala Strana

Tuesday — July 7th

		Chair: J. Büchner
9.00	**J. Buechner, V. Karas, Z. Nemecek**	Welcome
9.30	**Z. Nemecek**, J. Safrankova	Fast Variations of Solar Wind Parameters: What do we Need from Models?
10.00	**P. Hellinger**, L. Matteini, Simone Landi, A. Verdini, L. Franci, P. M. Travnicek	Plasma Turbulence at Ion Scales: Hybrid Simulations
10.30	*Coffee Break & Posters*	
		Chair: P. Hellinger
11.00	**C. P. Escoubet**, A. Masson, H. Laakso, M. L. Goldstein	Dynamics and Structures Observed by Cluster: Open Questions for Simulations
11.30	**F. Toffoletto**, J. Yang, R. Wolf, S. Sazykin, J. Lyon, S. Merkin, M. Wiltberger	Modeling of Plasmasheet Convection
12.00	**M. Ashour-Abdalla**, G. Lapenta, R. J. Walker, M. El-Alaoui	Simulation Studies of Magnetotail Reconnection: The Ion and Electron Diffusion Regions
12.30	*Lunch Break*	
		Chair: M. Ashour-Abdalla
14.00	**S. Poedts**, J. Pomoell	Evolution of Magnetized CMEs in the Inner Heliosphere
14.30	**R. J. Walker**, K. Fukazawa	Simulation Studies of Plasma Transport in Outer Planet Magnetospheres
15.00	**G. M. Chanteur**	Global Hybrid Simulations of the Hermean Magnetosphere
15.30	*Coffee Break & Posters*	
		Chair: B. Lembege
16.00	**P. Travnicek**, P. Hellinger, O. Sebek, S. Stverak	Global Hybrid Simulations of Space Plasmas
16.30	**D. Schriver**, P. Travnicek	Global Kinetic Simulations of Plasma Transport, Acceleration, and Loss in Mercury's Magnetosphere
17.00	**L. Liuzzo**, M. Feyerabend, S. Simon	Hybrid Simulation of Callisto's Interaction with Jovian Magnetosphere
17.30	*End of Session*	

Wednesday — July 8th

Chair: J. Büchner

9.00	**L. Colangeli**	Present and Future Solar System Missions in the Framework of the ESA Science Programme
9.30	**F. Valentini** & the Thor team	Numerical Simulation Support to the ESA/THOR Mission
10.00	**L. M. Zelenyi**	Milestones of the Russian Space Program
10.30	*Coffee Break & Posters*	

Chair: L. Zelenyi

11.00	**B. Lembège,** P. Savoini	2D PIC simulation of the quasi-perpendicular Earth's bow shock and associated foreshock region.
11.30	**Y. Katoh**, Y. Omura, Y. Miyake, H. Usui, H. Nakashima	Electron-hybrid simulations of the dependencies of the generation process of whistler-mode emissions
12.00	**Y. Miyake,** M. N. Nishino	Full-Particle Simulations on Plasma Environment around Lunar Vertical Hole
12.30	*Lunch Break*	

14.00	**Excursion (meeting point is entrance to the building)**	Prague in History of Physics and Astronomy (guided tour) Brewery "Novoměstský pivovar" (tour of the brewery)

Thursday — July 9th

Chair: M. Barta

9.00	**A. Bhattacharjee**	Integration of Kinetic Effects in Multi-Fluid Models of Reconnection
9.30	**J. Amaya**, J. Deca, S. Markidis, G. Lapenta	The Numerical Magnetosphere: Fully Kinetic Simulations of the Solar Wind–Magnetosphere Interaction
10.00	**R. Horiuchi**, H. Ohtani, S. Usami	Macro–Micro Interlocked Simulation for Multiscale Plasma Phenomena Like Magnetic Reconnection
10.30	*Coffee Break & Posters*	

Chair: H. Usui

11.00	**P. A. Muñoz**, D. Told, P. Kilian, J. Büchner, F. Jenko	Gyrokinetic and Kinetic Particle-in-cell Simulations of Guide-field Reconnection
11.30	**N. Jain**, J. Buchner	Electron-MHD Simulations: Reach and Caveats
12.00	**D. Cai**, B. Lembege, K.-I. Nishikawa	Large Scale PIC Simulations and Their Application to Satellite Data Focusing on Vortex
12.30	*Lunch Break*	

Chair: Y. Ono

14.00	**M. Hoshino**	PIC Simulation of MRI in Accretion Disks: Angular Momentum Transport and Particle Acceleration
14.30	**F. Spanier**, P. Kilian, U. Ganse, C. Schreiner	Kinetic Simulations of Shock Formation and Particle Acceleration in Non-relativistic Shocks
15.00	**K.-I. Nishikawa**, P. Hardee, Y. Mizuno, H. Sol, J. Niemiec, M. Pohl, A. Meli	Radiation from Accelerated Particles in Relativistic Jets with Shocks and Shear-flow
15.30	*Coffee Break & Posters*	

Chair: Z. Nemecek

16.00	**J. Deca**, A. Divin, G. Lapenta, B. Lembège, S. Markidis, X. Wang, M. Horányi	PIC Simulations of the Solar Wind Interaction with Lunar Magnetic Anomalies: Ion and Electron Dynamics
16.30	**C.-S. Jao**, L.-N. Hau	Fluid Theory and Particle Simulation of Electrostatic Streaming Instabilities
17.00	*End of Session*	

19.00–22.00	**Conference Dinner**	Dinner will také place on a boat (Natal & Porto comp.). We will board at the right side of the river under the bridge "Čechův most." For details see map.

Friday — July 10th

Chair: Y. Omura

9.00	**Y. Ono**	High Power Heating of Magnetic Reconnection in Merging Tokamak Experiments
9.30	**J. Büchner**	Simulation of the Solar Corona
10.00	**A. Chan**, L. Zheng	Application of Stochastic Methods to Modeling Earth's Radiation Belts
10.30	*Coffee Break & Posters*	

Chair: D. Schriver

11.00	**Ch. Mazelle**	Comparative Analysis of Unmagnetized and Magnetized Bodies: An Experimental Survey
11.30	**A. Samsonov**, M. Kuznetsova, D. Sibeck, V. Sergeev, Z. Nemecek, J. Safrankova	MHD Simulation of the Magnetospheric Response to Interplanetary Shocks
12.00	**D. Schriver**	Final Round Table Discussion: What Should be Done Better at the Next ISSS
12.30	*End of Session & Lunch*	