

<b>Nov. 25</b>	<b>Progress in Physics of the Sun and Stars: A New Era in Helio- and Asteroseismology</b>		
	reception		
<b>Nov. 26</b>	<b>Opening address</b>		
08:50-08:55	Shibahashi, Hiromoto	Opening address	5
08:55-09:05	Hasegawa, Noboru	Welcome address from the Fujihara Science Foundation	10
	<b>I. Impacts of seismic investigations on solar/stellar physics</b>		
	<b>a) physics of the Sun and stars understood from seismology</b>		
09:05-09:45	Noels, Arlette	What stellar physics aspects are we looking for through seismic investigation?	40
09:45-10:15	Schou, Jesper	Progress in global mode helioseismology	30
10:15-10:40	Turck-Chièze, Sylvaine	Energetic balance of the Sun and stars	25
	break		
11:10-11:40	Fontaine, Gilles	An overview of white dwarf stars	30
	<b>b) seismic determination of stellar parameters</b>		
11:40-12:00	Gizon, Laurent	Asteroseismology constraints on rotation of Sun-like star	20
12:00-12:20	Vauclair, Gerard	Constraints on the stellar parameters of white dwarf stars from asteroseismology	20
12:20-12:40	Van Grootel, Valerie	The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar evolution	20
	Ozel, Nesibe	Asteroseismic Twins	poster
	lunch		
14:10-14:30	Silva Aguirre, Victor	Convective cores and stellar ages as revealed by Kepler: what do we know?	
	<b>II. New observational findings and other enigmatic phenomena</b>		
	<b>a) general overview</b>		
14:30-15:00	Baglin, Annie	Highlights of recent CoRoT results and their impacts on stellar astrophysics	30
15:00-15:20	Garcia, Rafael	Observing dynamical effects on solar-like stars with CoRoT and Kepler	20
	<b>b) compact stars</b>		
15:20-15:50	Charpinet, Stéphane	G-mode oscillations in hot B subdwarf stars	30
15:50-16:10	Lynas-Gray, Anthony	Pulsation amplitude variations in hot subdwarf stars	20
	break		
16:40-17:00	Bischoff-Kim, Agnès	Decoding EC14012's rich pulsation spectrum	20
17:00-17:20	Kleinman, Scott	The new white dwarf catalog and the implications therein for pulsating white dwarf research	20
17:20-17:40	Nitta, Atsuko	Comparing two mode identification techniques in a DB white dwarf	20
17:40-18:00	Provencal, Judith	Decoding convection with white dwarf lightcurves	20
	<b>c) compact stars and disko-seismology</b>		
09:00-09:30	Osaki, Yoji	Oscillations of accretion disks in cataclysmic variable stars	30
	Vauclair, Gerard	Stellar consequences of the accretion of stellar debris matter onto white dwarfs	poster
	<b>d) main-sequence stars</b>		
09:30-09:50	Mkrtrichian, David	Progress in the detection of p-mode spectra of roAp stars: alpha Circini and gamma Equulei	20
09:50-10:10	Paparo, Margit	Frequency regularities in delta Scuti stars	20

	Lampens, Patricia	The analysis of the delta Scuti Kepler star HD 188774	poster
10:10-10:30	Molenda-Żakowicz, Joanna	Directions for the future of the ground-based follow-up for the Kepler space mission	20
	Mathur, Savita	Asteroseismic study of the CoRoT target HD169392	poster
	Mathur, Savita	Oscillation and surface rotation of more than 400 red giants observed by Kepler	poster
break			
	<b>e) red giants</b>		
11:00-11:20	Stello, Dennis	Red giants in the field and open clusters observed by Kepler	20
11:20-11:40	Gaulme, Patrick	Red giants in eclipsing binary systems: analysis of 53 light curves from Kepler data	20
	<b>f) spectroscopic observations</b>		
11:40-12:00	Pollard, Karen	Spectroscopic mode identification in gamma Doradus stars	20
	Kambe, Eiji	Line-profile variations of the primary of epsilon Aurigae eclipsing binary system	poster
	<b>g) diagnostics of 3-D atmospheric structure</b>		
12:00-12:20	Nagashima, Kaori	Understanding helioseismic observables	20
group photo			
lunch			
	<b>III. New techniques for helio- and asteroseismology</b>		
14:00-14:20	Shibahashi, Hiromoto	FM stars: a Fourier view of pulsating binary stars	20
14:20-14:40	Kurtz, Don	Super-Nyquist asteroseismology	20
	Benkó, József	Connections between quasi-periodicity and modulation in pulsating stars	poster
	<b>IV. Impact of the revised solar abundances on astrophysics</b>		
14:40-15:10	Grevesse, Nicolas	“Old” solar abundances? Time to stop using them!	30
15:10-15:40	Guzik, Joyce	The solar abundance and stellar astrophysics	30
15:40-16:00	Baturin, Vladimir	Solar heavy element abundance and the equation of state	20
break			
	<b>V. Chemical stratification in the Sun and stars</b>		
16:30-17:00	Vauclair, Sylvie	Atomic diffusion, mixing and element abundances	30
17:00-17:20	Alecian, Georges	Clouds of chemical elements in high atmospheric layers of ApBp stars	20
	<b>VI. Constraints from helio- and asteroseismology</b>		
17:20-17:40	Vorontsov, Sergei	Seismic diagnostics of the equation of state and chemical composition in the solar convective envelope	20
17:40-18:00	Ayukov, Sergey	New approach to the solar evolutionary model with helioseismic constraints	20
18:00-18:20	Maeda, Kazuhiro	Constraint on the axion-photon coupling constant using helioseismic solar models	20
	Baturin, Vladimir	Current version of SAHA-S equation of state: Improvement and perspective	poster
	<b>VII. Oscillations and excitation mechanisms</b>		
<b>Nov. 28</b>	<b>a) physical causes and excitation mechanisms of oscillations in various types of stars</b>		
09:00-09:20	Saito, Hideyuki	Strange mode instability for the pulsation of blue supergiants	20
09:20-09:40	Sonoi, Takafumi	Dipole low-order g-mode instability of metal-poor low-mass main-sequence stars due to the epsilon-mechanism	20
09:40-10:00	Córsico, Alejandro	The pulsating low-mass He-core white dwarfs	20

	<b>b) observational constraints on excitation and damping mechanisms</b>	
10:00-10:20	Benomar, Othman	Constraining radiative damping, mode inertia and non-adiabatic effects in evolved solar-like stars
10:20-10:40	Baudin, Frédéric	Damping rates of oscillations in red giants and main-sequence stars (observed with CoRoT and Kepler)
	<b>break</b>	
11:10-11:40	Belkacem, Kevin	On the relation between the frequency of the maximum amplitude and the cut-off frequency
	Grosjean, Mathieu	Evolution of the power spectrum of mixed-modes (especially the lifetimes) during the ascension of the star on the RGB
	<b>VIII. Solar and stellar activity</b>	
	<b>a) solar dynamo and activity viewed from helioseismology</b>	
11:40-12:10	Kosovichev, Alexander	Helioseismic constraints and paradigm shift in solar dynamo
12:10-12:30	Couvidat, Sebastien	Oscillation power in sunspots and quiet Sun from Hinkel analysis on SDO/HMI and SDO/AIA data
	<b>lunch</b>	
14:00-14:30	Chou, Dean-Yi	The wave functions of solar acoustic waves scattered by sunspots
	Gizon, Laurent	Upper limits on convective velocities from local helioseismology
	Kosovichev, Alexander	Excitation of solar and stellar oscillations by flares
	<b>b) magnetic fields and stellar activity across the HR diagram</b>	
14:30-15:00	Mathys, Gautier	Rotation, magnetism, binarity, and chemical peculiarities in A-type stars
15:00-15:30	Balona, Luis	Activity in A-type stars
15:30-15:50	Mathur, Savita	Constraining magnetic fields in stars exhibiting solar-like oscillations with seismology
	<b>lake cruise</b>	
	<b>Nov. 29</b>	
	<b>IX. Hydrodynamics</b>	
	<b>a) evolution of the solar/stellar internal rotation, angular momentum transfer</b>	
09:00-09:30	Takehiro, Shinichi	Differential rotation and angular momentum transport caused by thermal convection in rotating spherical shell
09:30-10:00	Mathis, Stéphane	Transport by internal waves in stellar interiors and consequences for solar-type and red giant stars evolution
10:00-10:20	Neiner, Coralie	Be star outbursts: transport of angular momentum by waves
10:20-10:40	Lee, Umin	Angular momentum transfer by non-adiabatic oscillations in weakly differentially rotating stars
10:40-11:00	Quazzani, Rihita-Maria	Toward a proper seismic diagnostic for rotation of red giants
	Ishimatsu, Hiroyuki	Traditional approximation for low-frequency modes and a working hypothesis about episodic mass loss in Be stars
	<b>break</b>	
	<b>b) magnetohydrodynamics: diffusion, mixing, convection, turbulence, magnetic structures</b>	
11:30-11:50	Kitashvili, Irina	Turbulent hydrodynamics and oscillations of moderate-mass stars
11:50-12:10	Prat, Vincent	Direct Numerical Simulation of shear mixing in stellar radiative zones
12:10-12:30	Jeffery, C. Simon	Shocking: coupling hydrodynamic and radiative transfer models to interpret the dynamic spectrum of the pulsating helium
	<b>lunch</b>	
14:00-14:30	Gough, Douglas	Shocking remarks on stellar pulsation
	Kitashvili, Irina	Self-organization of solar turbulent convection in magnetic field
	<b>X. Development of theory of stellar oscillations</b>	

