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Sun and stars understood from seismology What stellar physics aspects are we looking for through seismic investigation? Progress in global mode helioseismology An overview of white dwarf stars An overview of white dwarf stars Asteroseismology constraints on rotation of Sun-like star Asteroseismology constraints on rotation of Sun-like stars from asteroseismology The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar parameters Convective cores and stellar ages as revealed by Kepler; what do we know? The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar evolution asteroseismic Twins Convective cores and other enigmatic phenomena Whighlights of recent CoRoT results and their impacts on stellar astrophysics Observing dynamical effects on solar-like stars with CoRoT and Kepler G-mode oscillations in hot Subdwarf stars Pulsation amplitude variations in hot subdwarf stars Stellar consequences of the accretion of stellar debris matter onto white dwarfs	d) main-sequence	
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Sun and stars understood from seismology What stellar physics aspects are we looking for through seismic investigation? Progress in global mode helioseismology ne Energetic balance of the Sun and stars An overview of white dwarf stars An overview of white dwarf stars Asteroseismology constraints on rotation of Sun-like star Constraints on the stellar parameters of white dwarf stars from asteroseismology The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar evolutional findings and other enigrnatic phenomena iew Highlights of recent CoRoT results and their impacts on stellar astrophysics Observing dynamical effects on solar-like stars with CoRoT and Kepler Solar for the new white dwarf catalog and the implications therein for pulsating white dwarf research Comparing two mode identification techniques in a DB white dwarf Decoding convection with white dwarf lightcurves	c) compact stars	Nov. 27
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Sun and stars understood from seismology What stellar physics aspects are we looking for through seismic investigation? Progress in global mode helioseismology An overview of white dwarf stars In parameters Asteroseismology constraints on rotation of Sun-like star Constraints on the stellar parameters of white dwarf stars from asteroseismology The mass distribution of subdwarf B stars derived by asteroseismology and other means: implications for stellar evolution asteroseismic Twins Convective cores and stellar ages as revealed by Kepler: what do we know? Conal findings and other enigmatic phenomena iew Highlights of recent CoRoT results and their impacts on stellar astrophysics Observing dynamical effects on solar-like stars with CoRoT and Kepler S G-mode oscillations in hot B subdwarf stars Pulsation amplitude variations in hot subdwarf stars Decoding EC14012's rich pulsation spectrum	Kleinman, Scot	17:00-17:20
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Sun and stars understood from seismology What stellar physics aspects are we looking for through seismic investigation? Progress in global mode helioseismology Energetic balance of the Sun and stars An overview of white dwarf stars Asteroseismology constraints on rotation of Sun-like star Constraints on the stellar parameters of white dwarf stars from asteroseismology The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar evolutio Asteroseismic Twins Convective cores and stellar ages as revealed by Kepler: what do we know? Constraints of fecent CoRoT results and their impacts on stellar astrophysics Observing dynamical effects on solar-like stars with CoRoT and Kepler G-mode oscillations in hot B subdwarf stars Pulsation amplitude variations in hot subdwarf stars		break
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smic investigations on solar/stellar physics e Sun and stars understood from seismology What stellar physics aspects are we looking for through seismic investigation? Progress in global mode helioseismology ine Energetic balance of the Sun and stars An overview of white dwarf stars mination of stellar parameters Asteroseismology constraints on rotation of Sun-like star Constraints on the stellar parameters of white dwarf stars from asteroseismology The mass distribution of subdwarf B stars derived by asteroseismology and other means: Implications for stellar evolutio Asteroseismic Twins		lunch
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ellar physics om seismology are we looking for through seismology and stars tars s on rotation of Sun-like star ameters of white dwarf stars fi	Van Grootel, Valerie	12:20-12:40
ellar physics om seismology are we looking for through seis seismology and stars tars s on rotation of Sun-like star	Vauclair, Gerard	12:00-12:20
ellar physics om seismology are we looking for through seis seismology and stars tars	Gizon, Laurent	11:40-12:00
through seismic investigation?	b) seismic detern	
through seismic investigation?	Fontaine, Gilles	11:10-11:40
through seismic investigation?		break
through seismic investigation?	Turck-Chièze, Sylvaine	10:15-10:40
through seismic investigation?	Schou, Jesper	09:45-10:15
smic investigations on solar/stellar physics e Sun and stars understood from seismology	Noels, Arlette	09:05-09:45
smic investigations on solar/stellar physics	a) physics of the	
	I. Impacts of seis	
Welcome address from the Fujihara Science Foundation	Hasegawa, Noboru	08:55-09:05
to Opening address 5	Shibahashi, Hiromoto	08:50-08:55
ŭ	Opening address	Nov. 26
		reception
Progress in Physics of the oun and otars: A New Era in Hello- and Asteroseismology		

11:20-11:40	11:00-11:20 Stello, Dennis		break			10:10-10:30	
11:20-11:40 Gaulme, Patrick	Stello, Dennis	e) red giants		Mathur, Savita	Mathur, Savita	10:10-10:30 Molenda-Żakowicz, Joanna	Lampens, Patricia
Red giants in eclipsing binary systems: analysis of 53 light curves from Kepler data	Red giants in the field and open clusters observed by Kepler			Oscillation and surface rotation of more than 400 red giants observed by Kepler	Asteroseismic study of the CoRoT target HD169392	Directions for the future of the ground-based follow-up for the Kepler space mission	The analysis of the delta Scuti Kepler star HD 188774
20	20			poster	poster	20	poster

20	The pulsating low-mass He-core white dwarfs	Córsico, Alejandro	09:40-10:00
20	Dipole low-order g-mode instability of metal-poor low-mass main-sequence stars due to the epsilon-mechanism	Sonoi, Takafumi	09:20-09:40
20	Strange mode instability for the pulsation of blue supergiants	Saio, Hideyuki	09:00-09:20
	a) physical causes and excitation mechanisms of oscillations in various types of stars	a) physical causes ar	
		VII. Oscillations and excitation mechanisms	Nov. 28
poster	Current version of SAHA-S equation of state: improvement and perspective	Baturin, Vladimir	
20	Constraint on the axion-photon coupling constant using helioseismic solar models	Maeda, Kazuhiro	18:00-18:20
20	New approach to the solar evolutionary model with helioseismic constraints	Ayukov, Sergey	17:40-18:00
20	Seismic diagnostics of the equation of state and chemical composition in the solar convective envelope	Vorontsov, Sergei	17:20-17:40
	VI. Constraints from helio- and asteroseismology	VI. Constraints from	
20	Clouds of chemical elements in high atmospheric layers of ApBp stars	Alecian, Georges	17:00-17:20
30	Atomic diffusion, mixing and element abundances	Vauclair, Sylvie	16:30-17:00
	V. Chemical stratification in the Sun and stars	V. Chemical stratifica	
			break
20	Solar heavy element abundance and the equation of state	Baturin, Vladimir	15:40-16:00
30	The solar abundance and stellar astrophysics	Guzik, Joyce	15:10-15:40
30	``Old" solar abundances? Time to stop using them!	Grevesse, Nicolas	14:40-15:10
	V. Impact of the revised solar abundances on astrophysics	IV. Impact of the revi	
poster	Connections between quasi-periodicity and modulation in pulsating stars	Benkő, József	
20	Super-Nyquist asteroseismology	Kurtz, Don	14:20-14:40
20	FM stars: a Fourier view of pulsating binary stars	Shibahashi, Hiromoto	14:00-14:20
	III. New techniques for helio- and asteroseismology	III. New techniques for	
			lunch
			group photo
20	Understanding helioseismic observables	Nagashima, Kaori	12:00-12:20
	atmospheric structure	g) diagnostics of 3-D	
poster	Line-profile variations of the primary of epsilon Aurigae eclipsing binary system	Kambe, Eiji	
20	Spectroscopic mode identification in gamma Doradus stars	Pollard, Karen	11:40-12:00
	rvations	f) spectroscopic observations	

		14:00-14:30	lunch	12:10-12:30	11:50-12:10	11:30-11:50		break		10:40-11:00	10:20-10:40	10:00-10:20	09:30-10:00	09:00-09:30		Nov 29	lake cruise	15:30-15:50	15:00-15:30	14:30-15:00				14:00-14:30	lunch	12:10-12:30	11:40-12:10				11:10-11:40	break	10:20-10:40	10:00-10:20	
X. Development of th	Kitiashvili, Irina	Gough, Douglas		Jeffery, C. Simon	Prat, Vincent	Kitiashvili, Irina	b) magnetohydrodyn		lshimatsu, Hiroyuki	Ouazzani, Rhita-Maria	Lee, Umin	Neiner, Coralle	Mathis, Stéphane	Takehiro, Shin'ichi		IX Hydrodynamics		Mathur, Savita	Balona, Luis	Mathys, Gautier	b) magnetic fields and	Kosovichev, Alexander	Gizon, Laurent	Chou, Dean-Yi		Couvidat, Sebastien		a) solar dynamo and	VIII. Solar and stellar	Grosjean, Mathieu	Belkacem, Kevin		Baudin, Frédéric	Benomar, Othman	b) observational cons
Development of theory of stellar oscillations	Self-organization of solar turbulent convection in magnetic field	Shocking remarks on stellar pulsation		Shocking: coupling hydrodynamic and radiative transfer models to interpret the dynamic spectrum of the pulsating heliui20	Direct Numerical Simulation of shear mixing in stellar radiative zones	Turbulent hydrodynamics and oscillations of moderate-mass stars	b) magnetohydrodynamics: diffusion, mixing, convection, turbulence, magnetic structures		Traditional approximation for low-frequency modes and a working hypothesis about episodic mass loss in Be stars	Toward a proper seismic diagnostic for rotation of red giants	Angular momentum transfer by non-adiabatic oscillations in weakly differentially rotating stars	Be star outbursts: transport of angular momentum by waves	insport by internal waves in stellar interiors and consequences for solar-type and red giant stars evolution	Differential rotation and angular momentum transport caused by thermal convection in rotating spherical shell	solar/stellar internal rotation, angular momentum transfer			Constraining magnetic fields in stars exhibiting solar-like oscillations with seismology		inarity, and chemical peculiarities in A-type stars	stellar activity across the HR diagram	Excitation of solar and stellar oscillations by flares	Upper limits on convective velocities from local helioseismology	The wave functions of solar acoustic waves scattered by sunspots		Oscillation power in sunspots and quiet Sun from Hankel analysis on SDO/HMI and SDO/AIA data	Helioseismic constraints and paradigm shift in solar dynamo	activity viewed from helioseismology	activity	Evolution of the power spectrum of mixed-modes (especially the lifetimes) during the ascension of the star on the RGB po	On the relation between the frequency of the maximum amplitude and the cut-off frequency		(epler)	Constraining radiative damping, mode inertia and non-adiabatic effects in evolved solar-like stars	b) observational constraints on excitation and damping mechanisms
	poster	30		30	20	20			poster	20	20	0	30	30				20	30	30	5	poster	poster	30		20	30			poster	30		20	<u>2</u> 0	

banquet	17:20-17:40 Sekii, Takashi	17:00-17:20	16:40-17:00			16:20-16:40 Reese, Daniel	break	15:30-15:50	15:10-15:30	14:50-15:10	14:30-14:50	
	Sekii, Takashi	17:00-17:20 Takahashi, Saaya	16:40-17:00 Tanaka, Yasuo	b) nonlinear dynamics	Takata, Masao	Reese, Daniel		15:30-15:50 Takata, Masao	15:10-15:30 Ballot, Jérôme	Böhm, Torsten	14:30-14:50 Lignières, François	a) oscillations of rotating stars
last update: November 8, 2012	Avoided crossing and synchronization	Synchronization model for pulsating variables	Chaotic motions of pulsating stars with convective zones		Should radial modes always be regarded as p modes?	Mode visibilities and frequency patterns in rapidly rotating stars		The origin of rosette modes of oscillations in rotating stars	Gravity modes in rapidly rotating stars	Validating observationally the evolved theory of oscillations in rapidly rotating stars	Semi-analytical solutions of regular p-modes in rapidly rotating stars	ating stars
	20	20	20		poster	20		20	20	20	20	