



# Table of contents

Wednesday 06 August 2014 .....	1
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# Turbulent Mixing and Beyond Workshop: Mixing in Rapidly Changing Environments - Probing Matter at the Extremes | (smr 2596)

## Wednesday 06 August 2014

**- AGH (Kastler Lecture Hall) (14:00-16:30)**

time	title	presenter
14:00	Coriolis-induced redistribution of turbulent kinetic energy and atmospheric scintillations	C. A. PETTY
14:00	Numerical study of effect of initial perturbation spectrum on the development of gravitational turbulent mixing	V. P. STATSENKO
14:25	Non-Newtonian turbulence and a generalized phase transition	H. Z. BAUMERT
14:25	Reduced modeling for exact coherent structures in parallel shear flows	C. BEAUME
14:50	Turbulent transport at a simplified clear air/cloud interface	L. GALLANA
14:50	The Local Structure of Scalar Fields with Varying Diffusivities at High Reynolds Numbers	M. GAUDING
15:15	Mixing-induced dissolution in unstable reactive flow	J. J. HIDALGO
15:15	Rayleigh-Taylor unstable flames: Instability, turbulence and burning	E. P. HICKS
15:40	Solute blob evolution in a Darcy scale heterogeneous porous medium: Topological controls of mixing	M. DENTZ
15:40	Numerical investigation of relativistic shock-vortex interaction	A. V. KONYUKHOV
16:05	Coffee Break	