

**Galileo-Xu Guangqi Conference**  
**Shanghai 26-30 October 2009**  
**International Collaboration in Gravitational Astronomy**

<b>Plenary Session:</b> (Time to be advised)	<b>General Relativity, Black Holes and Gravitational Waves</b>			
Plenary Co-chairs:	David Blair and Lu Tan			
Plenary invited speakers:	Jay Marx: <i>Introducing the GWIC Roadmap for Gravitational Astronomy</i>			
	Linqing Wen: <i>Gravitational Wave Sources and their Localisation by a World Wide Array</i>			
	Rana Adhikari: <i>The Enhanced and Advanced LIGO Detectors</i>			
	Kazuaki Kuroda: <i>Cryogenic Advanced Gravitational Wave Detectors</i>			
<b>Afternoon Sessions</b>				
<b>26/10</b>	<i>Planning the future of Gravitational Astronomy</i>			
Co-Chairs:	Chunnong Zhao (UWA), Edna Cheung (Nanjing U.)			
2:00-2:30	Bernard Schutz	"Enhanced Science from Advanced Detectors in Asia"		
2:30-3:00	Bala Iyer (RRI):	Binary black holes		
3:00-3:30	Weitou Ni (PMO):	Spacecraft Gravitational Wave Detectors		
	Coffee/Tea Break			
4:00-4:30	Stan Whitcomb (LIGO):	How to Build a Gravitational wave Detector		
4:30-5:00	Francesco Fidecaro & Carlo Bradaschia (VIRGO):	The Virgo Detector and future enhancements		
<b>27/10:</b>	<i>Detectors and Technology for Gravitational Astronomy</i>			
Co-chairs:	Ju Li (UWA), Zhu Zonghong (Beijing Normal U)			
2:00-2:30	Jesper Munch (U. Adelaide)	The AIGO Project		
2:30-3:00	Adalberto Giazotto (VIRGO)	The Advanced Virgo Interferometer		
3:00-3:30	Chunnong Zhao (UWA)	Controlling Instabilities in High Power Interferometers		
		Coffee break		
4:00-4:30	Li JU (UWA)	Advanced Vibration Isolation Systems for AIGO.		
4:30-5:00	David McClelland (ANU)	Quantum Squeezing in Advanced GW detectors		
5:00-5:30	Jun Luo (Huazhong U)	Precision Measurement of G		

<b>28/10</b>	<i>Data Analysis Challenges of Gravitational Astronomy</i>	
Co-chairs:	Weitou Ni (PMO) and Stan Whitcomb (LIGO)	
2:00-2:30	Yang Zhang (USTC)	Stochastic background gravitational waves from the Big Bang
2:30-3:00	Sanjeev Dhurandhar(IUCAA)	Gravitational wave data analysis
3:00-3:30	Junwei Cao (Tsinghua U and LIGO)	Real-time GW Burst Search in the LIGO S6 Run
4:00-4:30	Tarun Souradeep (IUCAA)	Mapping the stochastic GW background
4:30-5:00	Maria Alessandra Papa (LSC)	GW data analysis challenges and results with the current network of operating detectors
<b>29/10</b>	<i>Workshop on Regional Collaboration in GW Detection</i>	
Co-chairs:	Bala Iyer (RRI, India), and Junwei Cao (Tsinghua U and MIT LIGO)	
2:00-2:30	David Reitze (LSC)	Managing large international collaborations.
2:30-3:00	CS Unnikrishnan & Ranjan Gupta	Plans for developing GW Astronomy in India
	Coffee/tea break	
3:30-	Panel discussion:	The Way forward for Extending the Worldwide Gravitational Wave Detector Array.
<b>Evening:</b>	Workshop Dinner (details to be confirmed)	
<b>30/10</b>	Sight seeing	