Program GC 2013, Granada

Tuesday, November 19th

09:00	Registration at IAA patio	
10:00	José M. Vílchez IAA director	Welcome
10:05	Antxon Alberdi, Andreas Eckart	Opening remarks

Sgr A*

10:10	**Delphine Porquet** **Observatoire Astronomique de Strasbourg (France)**	**X-ray properties of the Galactic center**
10:45	Hiroshi Murakami Tohoku Gakuin University (Japan)	Weekly Monitoring of Sgr A* with the X-ray Satellite "Suzaku"
11:05	Thomas Boller MPE Garching (Germany)	Predicting pictures from black holes using ray-tracing in GR and pc-GR
11:25 - 11:45	*Coffee Break*	
11:45	Banafsheh Shahzamanian I. Physikalisches Institut (Germany)	NIR polarization of SgrA*
12:05	Kazunori Akiyama University of Tokyo (Japan)	Long-term monitoring of Sgr A* at 43GHz with VERA and KVN+VERA
12:25	Heino Falcke Radboud University Nijmegen (NL), ASTRON (NL), MPIfR Bonn (DE)	Is Sgr A* jet-lagged?

12:45	Gunther Witzel UCLA (USA)	NIR variability of SgrA*
13:05 - 14:15	*Lunch break*	
14:15	Iván Agudo Joint Institute for VLBI in Europe (Netherlands)	Tracing changes in Sgr A*'s accretion flow through Faraday rotation measures at 1mm with the IRAM 30m Telescope
14:35	Monika Moscibrodzka Radboud University Nijmegen (Netherlands)	A coupled jet-disk model for Sgr A*: explaining the flat-spectrum radio core with GRMHD simulations of jets
14:55	Grischa Karssen I. Physikalisches Institut (Germany)	Modeling the variable near-infrared emission from SgrA* with an orbiting hotspot
15:15	Shogo Nishiyama NAOJ (Japan)	Large Scale Magnetic Field Configuration in the Galactic Center
15:35	Tsuru Takeshi Go Department of Physics, Kyoto University (Japan)	X-ray Study of 3-D View of the Galactic Center Region and 1000-yr Activity History of Sagittarius A*
15:55 - 16:15	*Coffee break*	

G2/DSO

16:15	**Lorant Sjouwerman** **NRAO (USA)**	**NRAO VLA monitoring of the interaction of SgrA* and the gas cloud**
16:50	Andreas Eckart I. Physikalisches Institut (Germany)	The DSO and other dusty object close to SgrA*
17:10	Michal Zajaček Charles University in Prague (Czech Republic)	Encounter of a dust cloud with supermassive black hole: Predictions for high-eccentricity passages near galactic nuclei

Wednesday, November 20th

GC environment stellar

09:30	**Farhad Yusef-Zadeh** **Northwestern University (USA)**	**Star Formation Activity in the the Galactic Center**
10:05	Nadeen Sabha I. Physikalisches Institut (Germany)	The central stellar cluster in the infrared
10:25	Vladimir Karas Astronomical Institute, Academy of Sciences (Czech Republic)	The orbital interaction between stars and a SMBH surrounded by a massive accretion torus
10:45	**Ross Church** **Dept. Astronomy and Theoretical Physics, Lund University (Swed**	**Stellar Collisions at the Galactic Centre**
11:20 - 11:45	*Coffee break*	
11:45	Anja Feldmeier ESO (Germany)	The Milky Way Nuclear Star Cluster Beyond 1 pc
12:05	Alessandra Mastrobuono-Battisti Technion-Israel Institute of Technology (Israel)	The Galactic Center: the nuclear star cluster formation and evolution
12:25	Anna Boehle UCLA (USA)	New Orbital Analysis of Stars at the Galactic Center Using Speckle Holography
12:45 - 14:00	*Lunch break*	

14:00	Jaroslav Haas Charles University in Prague (Czech Republic)	Two-body relaxation of thin stellar discs around SMBHs
14:20	**Michael Kramer** **Max Planck Institut für Radioastronomie (Germany)**	**The Galactic Center Black Hole Laboratory**
14:55	Ralph Eatough Max Planck Institut für Radioastronomie (Germany)	Radio observations of PSR J1745-2900, a magnetar in the Galactic Centre.
15:15	Danor Aharon Technion-Israel Institute of Technology (Israel)	The evolution of stellar populations in galactic nuclei
15:35	Behrang Jalali University of Cologne (Germany)	Star Formation Close to Sgr A*
15:55 - 16:15	*Coffee break*	

BH Physics

16:15	Xavier Calmet University of Sussex (UK)	Self-healing of Higgs inflation model
16:35	Claus Kiefer University of Cologne (Germany)	Black holes as open quantum systems
16:55	Petra Sukova Center for Theoretical Physics (Poland)	Chaos in geodesic flow in black-hole-disc system: computation of FLI and MEGNO
17:15	Devaky Kunneriath Astronomical Institute, Academy of Sciences (Czech Republic)	Inducing the activity of the Galactic centre by repetitive accretion episodes

Thursday, November 21st

GC environment non-stellar

09:30	**Roland Crocker** **Australian National University (Australia)**	**The Giant Magnetized Outflows from the Galactic Centre**
10:05	Kastytis Zubovas Centre for Physical Sciences and Technology (Lithuania)	Sgr A* activity shapes the Central Molecular Zone
10:25	Greg Madsen Insitute of Astronomy, University of Cambridge (UK)	Fossil imprint of a powerful flare at the Galactic Centre along the Magellanic Stream
10:45 - 11:15	*Coffee break*	

Extragalactic

11:15	**Santiago García-Burillo** **Observatorio Astronómico Nacional (Spain)**	**The Footprints of AGN Feeding and Feedback in LLAGNs**
11:50	**Carole Mundell** **ARI, Liverpool John Moores University (UK)**	**Black-hole fuelling, feedback and duty cycles**
12:25	Isabel Márquez Instituto de Astrofísica de Andalucía - CSIC (Spain)	X-ray Variability of LINERs
12:45 - 14:00	*Lunch break*	
14:00	Lachezar Filipov Space and Technology Research Institute (Bulgaria)	Self-organization processes in accretion disks
14:20	Agnieszka Janiuk Center for Theoretical Physics (Poland)	Modeling black hole mergers in long gamma ray bursts

14:40	Luka Popovic Astronomical Observatory Belgrade (Serbia)	Super-massive black hole estimates using spectro-polarimetric observations

Instrumentation

15:00	Paolo Soffitta IAPS/INAF (Italy)	X-ray polarimetry as diagnostic tool of the past activity of Sgr A*
15:20	Eduardo Ros Max Planck Institut für Radioastronomie (Germany)	Black hole high-resolution science with phased ALMA
15:40 - 16:00	*Coffee break*	
16:00	Conference Summary	
18:30	**Live video cast of talk by Sir Roger Penrose from MPIfR (Germany)**	
21:00	*Conference dinner*	Restaurante El Claustro; Hotel AC Santa Paula Gran Vía de Colón, Granada.