Monday, November 15			
8:45 - 10:00	*Registration & Welcome from LOC*	Ferrari	
10:00 - 10:35	*X-ray observations of merger shock fronts*	Markevitch	Review Talk
10:35 - 10:55	*Metal enrichment and star formation due to environmental effects*	Schindler	Contributed Talk
10:55 - 11:25	*Coffee Break*		
11:25 - 11:45	*Gas turbulent motions in galaxy clusters*	Zhuravleva	Contributed Talk
11:45 - 12:05	*New High-Resolution SZ Observations with GBT+MUSTANG*	Mroczkowski	Contributed Talk
12:05 - 12:35	*Measuring turbulence in clusters using XMM-Newton RGS*	Sanders	Invited Talk
12:35 - 12:55	*Study of the spectacular shock wave propagation in the extended and time-dependent gravitational field of RXJ1314.4-2515*	Mazzotta	Contributed Talk
12:55 - 14:40	*Lunch Break & Posters*		
14:40 - 15:15	*Observational properties of diffuse radio sources in galaxy clusters: current knowledge and open questions*	Venturi	Review Talk
15:15 - 15:50	*Magnetic field power spectrum in clusters of galaxies*	Murgia	Review Talk
15:50 - 16:20	*Coffee Break*		
16:20 - 16:55	*An introduction to the physics of non thermal components in galaxy clusters*	Brunetti	Review Talk
16:55 - 17:25	*Observations of hard X-rays from clusters and cluster mergers*	Sarazin	Invited Talk
17:25 - 17:45	*Swift/BAT search for non-thermal emission in HIFLUGCS clusters*	Wik	Contributed Talk
17:45 - 18:05	*Non-thermal X-ray emission from galaxy clusters: the contribution of INTEGRAL and future prospects*	Eckert	Contributed Talk

Tuesday, November 16			
9:30 - 10:00	*Galaxy clusters at gamma-ray energies – status and prospects*	Reimer	Invited Talk
10:00 - 10:20	*Sources of highest energy cosmic rays, intergalactic magnetic fields, and formation of extended gamma-ray structures*	Aharonian	Contributed Talk
10:20 - 10:50	*On the connection between radio halos and cluster mergers*	Cassano	Invited Talk
10:50 - 11:20	*Coffe Break*		
11:20 - 11:40	*A radio approach to the cool core-non cool core dichotomy*	Rossetti	Contributed Talk
11:40 - 12:10	*Diffuse radio sources in colliding galaxy clusters*	Giacintucci	Invited Talk
12:10 - 12:30	*The curious case of Abell 2256*	Clarke	Contributed Talk
12:30 - 14:00	*Lunch Break & Posters*		
14:00 - 14:30	*Shocking news from cluster accretion*	Rudnick	Invited Talk
14:30 - 14:50	*GMRT low frequency follow up observations of diffuse steep spectrum radio emission in galaxy clusters*	Macario	Contributed Talk
14:50 - 15:10	*A deep radio and X-ray view of cluster formation at the crossroads of filaments*	Bagchi	Contributed Talk
15:10 - 15:30	*The galaxy cluster A2255 and the origin of its radio halo*	Pizzo	Contributed Talk
15:30 - 16:00	*Coffee Break*		
16:00 - 16:20	*Diffusive shock acceleration in the galaxy cluster CIZA J2242.8+5301*	van Weeren	Contributed Talk
16:20 - 16:50	*A bang within a bang: the life cycle of the most powerful AGN in a galaxy cluster*	McNamara	Invited Talk
16:50 - 17:10	*AGN heating in complete samples of galaxy clusters*	Birzan	Contributed Talk
17:10 - 17:30	*The dynamic core of HCG 62: AGN outburst and merger*	Rafferty	Contributed Talk
19:00 - 20:00	*Exploring the Cosmos from the Moon*	Burns	Public Lecture

Wednesday, November 17			
9:30 - 10:05	*Simulations of LSS, shocks, and non-thermal effects*	Ryu	Review Talk
10:05 - 10:35	*Turbulence in clusters: a simulation perspective*	Jones	Invited Talk
10:35 - 10:55	*Gas motions in the outskirts of galaxy clusters*	Nagai	Contributed Talk
10:55 - 11:25	*Coffee Break*		
11:25 - 11:55	*Cosmic ray transport in galaxy clusters: implications for radio halos*	Pfrommer	Invited Talk
11:55 - 12:25	*Magnetic fields in galaxy clusters and beyond*	Dolag	Invited Talk
12:25 - 12:45	*Turbulent flow and stirring mechanisms in the cosmological large-scale structure*	Iapichino	Contributed Talk
12:45 - 14:30	*Lunch Break & Posters*		
14:30 - 15:00	*The dicotomy between merging and non merging objects*	Vazza	Invited Talk
15:00 - 15:20	*Cluster mergers, shock fronts and radio relics*	Hoeft	Contributed Talk
15:20 - 15:40	*Cosmological numerical simulations of radio relics in galaxy clusters: insights for future observations*	Burns	Contributed Talk
15:40 - 16:10	*Coffee Break*		
16:10 - 16:30	*Evolution of shocks and shock-injected turbulence in the formation of galaxy clusters embedded in Mpc scale filaments*	Paul	Contributed Talk
16:30 - 16:50	*Cosmic rays in MHD simulations of galaxy clusters*	Donnert	Contributed Talk
16:50 - 17:20	*AGNs, small-scale dynamo and magnetic fields in galaxy clusters*	Li	Invited Talk
17:20 - 17:50	*Magnetic fields, relativistic particles, and shock waves in cluster outskirts*	Brüggen	Invited Talk
17:50 - 18:10	*Testing the connection between radio mini-halos from core gas sloshing with MHD simulations*	ZuHone	Contributed Talk
20:30 - 23:30	*Conference Dinner*		

Thursday, November 18			
10:00 - 10:30	*Acceleration and Re-acceleration of Particles in Clusters of Galaxies*	Petrosian	Invited Talk
10:30 - 11:00	*Magnetic reconnection in intracluster medium*	Lazarian	Invited Talk
11:00 - 11:30	*Coffee Break*		
11:30 - 12:00	*Re-acceleration of non-thermal particles at weak cosmological shocks*	Kang	Invited Talk
12:00 - 12:30	*A thermally stable magnetized intracluster medium: from microphysics to global profiles*	Schekochihin	Invited Talk
12:30 - 14:15	*Lunch Break & Posters*		
14:15 - 14:35	*Magnetic fields in the ICM from depolarization analysis*	Bonafede	Contributed Talk
14:35 - 14:55	*The intracluster magnetic field power spectrum in relaxed galaxy clusters from rotation measure studies*	Vacca	Contributed Talk
14:55 - 15:25	*Diffuse emission in clusters: tracers of cluster mergers. Recent results and prospects for LOFAR.*	Röttgering	Invited Talk
15:25 - 16:00	*Coffee Break*		
16:00 - 16:30	*Magnetic fields in clusters of galaxies: prospects with SKA*	Feretti	Invited Talk
16:30 - 17:00	*Non-thermal phenomena in merging clusters of galaxies as observed with Suzaku and to be with ASTRO-H*	Nakazawa	Invited Talk
17:00 - 17:20	*Recent results and future prospects for the detection and characterization of non-thermal emission in galaxy clusters*	Molendi	Contributed Talk
17:20 - 17:50	*Conclusions*		