

**CIGRE SC A1 MEETING 2009
SYDNEY, AUSTRALIA**

COLLOQUIUM PROGRAM (DRAFT)

Wednesday 23 September 2009

TIME	TOPIC	SPEAKER
08:30	Opening & welcome – Chairman SC A1 – Erli Figueiredo	
	Theme: New Developments in Machine Design	
08:40	Evolution of Large Capacity Indirectly Hydrogen-cooled Turbo-generators	Dr Hiromichi Ito (Toshiba – Japan)
09:10	Development of the deterioration assessment for the generator-motor rotor coil of the adjustable speed pumped storage system	Kazuyoshi Hohzan (Japan)
09:40	Characteristic features of stator winding bars of the new hydro-generators of power 160 MVA installed in Zakucac Hpp-Croatia	Josip Studir (Koncar – Croatia)
10:10	Morning tea	
10:30	Tutorial: Guide for minimizing the damage from stator winding grounds on turbogenerators	Oscar Martinez
	Theme: High Capacity Air-Cooled Generators	
11:00	Development of a highly efficient air-cooled turbine generator with CFD analysis	Kenichi Tohrisawa (Hitachi – Japan)
11:30	Introduction of new ventilation system large capacity air-cooled turbine generator	Kiyonori Koga (Mitsubishi – Japan)
12:00	Lunch	
13:00	Tutorial: Wind Power Generation: Generator technology vs grid integration	Prof. L Rouco
	Theme: Asset Management	
13:30	Advanced generator purging technologies for improved safety and reduced outage time	Uwe Eickelbeck (Siemens – Germany)
14:00	Condition-based maintenance of hydro generators using an innovative web diagnostic system	Dr Claude Hudon (Canada)
14:30	Repair, retrofit and replacement of turbo generators in fossil and nuclear power plants	Chong Wie Cho (Doosan – Korea)
15:00	Afternoon tea	
15:20	Tutorial: Survey of hydrogenerator failures	José Luís García Araco
15:50	Tumut 3- Life extension work and increasing dynamic performance rating	Kapila Nanayakkara (Snowy Hydro – Australia)
16:20	Diode wheel brushless exciter Mark III field repair	Marcio Siniscalchi (Electronuclear Brazil)
	Theme: Grid Connection Aspects and Issues	
16:50	Voltage ride through capability of synchronous generators: Grid code requirements and sensitivity with respect to generator parameters	Prof. L Rouco (Spain)
17:20	Finish	