

Ref	Title	Speaker	Topic	Day	Time
Day - I, 23 August 2016					
9:00 - 9:30 (Inauguration)					
Invited Session, Chair: Dr. Ravi Kumar, 9:30 - 10:30					
Invited	Status and required R&D on Tritium breeder materials for Fusion reactor	Paritosh Chaudhari	Invited Lecture	1	9:30 - 10:30
10:30 - 11:00 (Tea Break)					
Session - I, Fabrication, Chair: Prof. B. S. Murthy, 11:00 - 12:30					
A006	Preparation and Characterization of Lithium Titanate Powder and Pebbles for Indian LLCB-TBM	B. Riscob	Fabrication	1	11:00 - 11:30
A005	Development of Li ₄ SiO ₄ Ceramics for Test Blanket Module: Addressing Some Critical Issues from Powder Synthesis to Pebble Fabrication	R. Mazumder	Fabrication	1	11:30 - 12:00
A009	Synthesis of Nanocrystalline Li ₂ TiO ₃ by High Energy Ball Milling for Nuclear Fusion Reactor Application	S. K. S. Parashar	Fabrication	1	12:00 - 12:30
12:30 - 14:00 (Lunch Break)					
Session - II, Characterization, Chair: Prof. T. Jaya Kumar, 14:00 - 16:30					
A010	Development of lithium based ceramics for breeder application	Amit Sinha	Fabrication	1	14:00 - 14:30
A002	Ionic conductivity studies on one-dimensional nanofibrous lithium orthosilicate ceramic	P. Muralidharan	Characterization -1	1	14:30 - 15:00
A003	Reaction kinetic study & activation energy calculation of Li ₂ TiO ₃ by thermo gravimetric measurement	Aroh Srivastava	Characterization -1	1	15:00 - 15:30
A001	Electrical and thermal properties of Li ₄ SiO ₄ - Li ₂ TiO ₃ Composite Ceramic Prepared by Solid-State Synthesis Method	G. Jaya Rao	Characterization -1	1	15:30 - 16:00
16:00 - 16:30 (Tea Break)					
Panel Discussion, Future Directions on Fabrication and Characterization, Chair: Dr. Ranabrata Mazumder, 16:30 - 17:15					
Workshop Dinner at MGM Beach Resorts (18:30 Bus at ICSR)					
Day - II, 24 August 2016					
Session - III, Modelling and Simulation, Chair: Dr. Narasimhan Swaminathan, 9:30 - 12:30					
A015	Modelling and simulation of pebble bed thermomechanics	Ratna Kumar Annabattula	Overview	2	9:30 - 10:00
A013	Evolution of Contact Anisotropy in Granular Materials	Akhil Vijayan	Modelling & Simulation	2	10:00 - 10:30
A011	Study of packing structure in pebble beds using discrete element method	Raghu Ram Karthik	Modelling & Simulation	2	10:30 - 11:00
11:00 - 11:30 (Tea Break)					
A014	Effective thermal conductivity in packed beds	Ratna Kumar Annabattula	Modelling & Simulation	2	11:30 - 12:00
A012	Mechanics of a Crushable Pebble Assembly - A coupled XFEM-DEM approach	Hirshikesh	Modelling & Simulation	2	12:00 - 12:30
12:30 - 14:00 (Lunch Break)					
Session - IV, Characterization, Chair: Dr. S. K. S. Parashar, 14:00 - 15:30					
A004	Thermal measurements of Li ₂ TiO ₃ Ceramic	Aroh Srivastava	Characterization - 2	2	14:00 - 14:30
A007	Thermo-Mechanical Measurement of Li ₂ TiO ₃ Pebble Bed for Indian LLCB-TBM	B. Riscob	Characterization - 2	2	14:30 - 15:00
A008	Functional properties characterization of Lithium Titanate Ceramic pebbles using Crush Load Tests and H-R Scanning Electron Microscopy	Suraj Kumar Gupta	Characterization - 2	2	15:00 - 15:30
15:30 - 16:00 (Tea Break)					
Panel Discussion, Future Directions in Modelling and Simulation, Chair: Dr. Paritosh Chaudhari, 16:00 - 16:45					
16:45 - 17:00 (Closure and Departure)					