Program at a glance

3 March

	Code	Speaker	Affiliation	Paper title
9:00 9:15		Opening ~ Summary of ITP ~		
Control of Microtexture				
Chair: Y. Iwamoto (Nagoya Institute of Technology)				
9:15 9:45	K-1	David S. Smith	Centre Européen de la Céramique	Heat transfer in porous ceramic materials
9:45 10:15	K-2	Julian R. Jones	Imperial College London	Inorganic / organic hybrids for bone regeneration
10:15 10:45	I-1	Tobias Fey	Friedrich-Alexander-Universität Erlangen-Nürnberg	Cellular ceramics – processing, characterization and simulation
Coffee Break				
Student Communications				
Chair: I. Kagomiya (Nagoya Institute of Technology)				
11:00 11:10	S-1	Minato Kato	Nagoya Institute of Technology	Influence of the binder and solvent type of ITO green tapes
11:10 11:20	S-2	Teppei Yamazaki	Nagoya Institute of Technology	Effect of pores for piezoelectric materials
11:20 11:30	S-3	Shunsuke Fujii	Nagoya Institute of Technology	Synthesis and characterization of Mg-doped ZnO nanoparticles
11:30 11:40	S-4	Masaki Tsutani	Nagoya Institute of Technology	Synthesis of Na-geopolymers using artificial seawater
Student Communications				
Chair: T. Yokota (Nagoya Institute of Technology)				
11:40 11:50	S-5	Sungho Lee	Nagoya Institute of Technology	Characterization of calcium/strontium-containing sol-gel-derived 58S glasses
11:50 12:00	S-6	Masato Shimoda	Nagoya Institute of Technology	Glass-ceramics based on the composition $Bi_{0.5}Nb_{0.5}Te_3O_8$: synthesis and characterizations
12:00 12:10	S-7	Yuta Noda	Nagoya Institute of Technology	Characterization of $SrAl_2O_4:Eu^{2+}$ phosphor synthesized by using solid state and co-precipitation methods
12:10 12:20	S-8	Takenori Sawamura	R & D Center, NGK Spark Plug Co., Ltd. Nagoya Institute of Technology	Setting behavior and formability of calcium phosphate cements prepared using modified dicalcium phosphate anhydrous powders
12:20 12:30	S-9	Mohd Nazri Bin Mohd Sokri	Nagoya Institute of Technology Universiti Teknologi Malaysia	Polymer-derived microporous amorphous silica
Lunch & Student Poster Presentation				
Smart Processing and Materials				
Chair: T. Hayakawa (Nagoya Institute of Technology)				
14:00 14:30	K-3	Wolfgang Peukert	Friedrich-Alexander-Universität Erlangen-Nürnberg	Process engineering of quantum dot systems
14:30 15:00	I-2	Martyn A. McLachlan	Imperial College London	Optical spacers, interlayers and electrodes for organic electronics
15:00 15:30	K-4	Philippe Thomas	Centre Européen de la Céramique	Crystal chemistry of complex materials: apatite-type lanthanum silicates for SOFC applications and tellurium oxide based glasses for non-linear optics
Coffee Break				
Advanced Energy and Optical Materials				
Chair: A. Obata (Nagoya Institute of Technology)				
15:45 16:15	I-3	Samuel Bernard	Institut Européen des Membranes	Advanced Polymer-Derived Ceramics for catalysis, environment and energy technology
16:15 16:45	I-4	Delia S. Brauer	Friedrich-Schiller-Universität Jena	Fluoride-containing glass-ceramics for optical applications
17:30 19:30		Banquet		

Program at a glance

4 March

	Code	Speaker	Affiliation	Paper title
Design for Membrane and Porous Materials				
Chair: Y. Iwamoto (Nagoya Institute of Technology)				
9:30 10:00	K-5	Paolo Colombo	University of Padova The Pennsylvania State University	Porous ceramics and advanced ceramic components from preceramic polymers
10:00 10:30	K-6	Ahmad Fauzi Ismail	Universiti Teknologi Malaysia	Emerging engineered nanomaterials For membrane-based separation: The way forward
Coffee Break				
Solid State Ionics				
Chair: M. Nakayama (Nagoya Institute of Technology)				
10:45 11:15	I-5	Michael J.D. Rushton	Imperial College London	Breeding super ionic conductivity into lithium lanthanum titanate oxides using genetic agorithms and molecular dynamics
11:15 11:45	I-6	Samuel T. Murphy	Imperial College London	Point defects and non-stoichiometry in Li_2TiO_3
Lunch & Student Pre-Poster Presentation				
Oral Presentations				
Chair: H. Maeda (Nagoya Institute of Technology)				
13:00 13:20	O-1	Zineb Mouline	Universite Montpellier 2 Nagoya Institute of Technology	Design of block copolymer self-assemblies - Toward novel membrane architectures and properties
13:20 13:40	O-2	Anthony L. B. Maçon	Imperial College London	Design of bespoke synthetic polymers for tailorable silica hybrid properties towards an ideal bone implant
13:40 14:00	O-3	Jin Nakamura	Nagoya Institute of Technology	Enhancement of crystalline plane orientation in silsesquioxane-containing vaterite particles towards tuning of calcium ion release
Coffee Break				
Student Communications				
Chair: T. Asaka (Nagoya Institute of Technology)				
14:15 14:25	S-10	Randy Jalem	Nagoya Institute of Technology	Ab initio molecular dynamics study of garnet-type cubic $Li_{7-x}La_3Zr_{2-x}Ta_xO_{12}$ solid electrolytes
14:25 14:35	S-11	Hiromasa Shiiba	Nagoya Institute of Technology	Investigation of oxygen/vacancy arrangement in double perovskite $GdBaCo_2O_{5+\delta}$ using Ab initio DFT calculations with Monte Carlo simulations
14:35 14:45	S-12	Alexander Martin	Nagoya Institute of Technology	Mechanical properties of lead – free alkali niobate ceramics
14:45 14:55	S-13	Shinji Hara	Nagoya Institute of Technology	Preparation of highly c-axis-oriented apatite-type lanthanum silicate polycrystals by combined use of reactive diffusion and tape casting
14:55 15:05	S-14	Sadayuki Arimori	Nagoya Institute of Technology	Trifluoromethylation of aryl boronic acids using SHIBATA-reagent
Student Communications				
Chair: K. Kakimoto (Nagoya Institute of Technology)				
15:05 15:15	S-15	Kazunobu Fukushi	Nagoya Institute of Technology	Decarboxylative allylation reaction of α-trifluoromethylsulfones
15:15 15:25	S-16	Xin Wang	Nagoya Institute of Technology	New and highly efficient difluoromethylation reagents for sp3-C nucleophilies
15:25 15:35	S-17	Subash Sharma	Nagoya Institute of Technology	A study of high quality graphene synthesis on Cu foil using waste plastic as carbon source
15:35 15:45	S-18	Ryosuke Kaneko	Nagoya Institute of Technology	Elaboration by tape casting and electrical characterization of lanthanum silicate oxyapatite for application as electrolyte material in IT-SOFC
15:45 15:55	S-19	Yoshihito Shimono	Nagoya Institute of Technology	Elaboration and electrical characterization of apatite-type compound $La_{9.33+x}Si_6O_{26+1.5x}$ for application as electrolyte material in IT-SOFC
15:55 16:55	Student Poster Presentation			
17:00	Closing			