



ISAJ
INDIAN SCIENTISTS ASSOCIATION IN JAPAN

6th ISAJ Symposium:

Recent Advances in Science and Technology

December 4, 2015 (Friday)

Main Auditorium, Embassy of India, Tokyo

PROGRAM

9:00 - 9:15	Registration	
9:15 - 9:20	LIGHTING of the LAMP	
9:20 - 9:30	Welcome Address	Sunil Kaul, ISAJ Chairman Swadhin Behera, Symposium Convener
9:30 – 10:00	INAUGURAL SESSION	
	Guest of Honor	The Ambassador of India to Japan
	Guest of Honor	Michinari Hamaguchi, President, JST, Japan
	Guest of Honor	Yasuhiro Iye, Executive Director, JSPS, Japan
10:00 - 10:30	Keynote	Asahiko Taira, President, JAMSTEC, Japan <i>“Frontier of marine science and technology - the Role of JAMSTEC -“</i>
10:30 - 10:35	Vote of Thanks Alok Singh, ISAJ Vice-Chairman	
10:35 - 10:40	GROUP PHOTO	
10:40 - 11:00	COFFEE BREAK	
	PLENARY SESSION 1 Chairs: Sunil Kaul and Swadhin Behera	
11:00- 11:20	Plenary	Koichi Tsuchiya, Director, Research Center for Strategic Materials, NIMS, Japan

		<i>"Materials technology for safe and secure social infrastructures"</i>
11:20 - 11:40	Plenary	Tomohiro Tamura, Director, Bioproduction Research Institute, AIST, Japan <i>"Efficient production of active form of vitamin D3 by microbial conversion"</i>
11:40 - 12:00	Invited	Junji Urakawa, KEK, Japan <i>"Status of Delhi light source project with R&D at KEK"</i>
12:00 - 12:40	LUNCH & POSTER SESSION	
12:40 - 13:40	POSTER SESSION Chairs: Venkata Ratnam and Baiju Nair	
	PLENARY SESSION 2 Chairs: Sakthi Kumar and Mamoru Mitsuishi	
13:40 – 13:50		Manako Tanaka, Tokyo University of Arts, Japan <i>"Nondestructive study of Japanese iron artifacts using pulsed neutron imaging for evaluating crystallographic texture and microstructure"</i>
13:50 – 14:00		Satyaban Ratna, JAMSTEC, Japan <i>"Impact of the moisture variability on the Indian summer monsoon rainfall"</i>
14:00 – 14:10		Swastibrata Bhattacharya, Yokohama National University, Japan <i>"First principles based phase field crystal model"</i>
14:10 – 14:20		P.K Hashim, The University of Tokyo, Japan <i>" Self-assembly of siRNA embedded protein for 'Artificial Viruses' "</i>
14:20 – 14:30		A Maya Nandkumar, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India <i>"Microbial biofilms and medical devices"</i>
14:30 – 15:30	SELECTED POSTERS 1 Chairs: Manish Biyani, Kedarnath Mahapatra and Renu Wadhwa	
	12 short oral presentations (5 mins each) selected from posters: P03, P04, P08, P10, P12, P14, P15, P16, P17, P19, P21 and P24	
15:30 – 15:50	COFFEE BREAK	
15:50 – 16:50	SELECTED POSTERS 2 Chairs: Atsushi Suzuki, Samik Ghosh and	

	Mahendra Kumar	
	12 short oral presentations (5 mins each) selected from posters: P25, P27, P28, P30, P31, P32, P34, P35, P36, P37, P39 and P40	
	PLENARY SESSION 3 Chair: Alok Singh	
16:50-17:10	Plenary	Eiji Abe, Dept of Materials, U. of Tokyo <i>“A new era of electron microscopy for materials science”</i>
17:10-17:30	Guest Speaker	Kazunori Higuchi, International Program Department, JSPS <i>“Overview of JSPS and its international collaborative program”</i>
17:30 – 17:40	Concluding Session Swadhin Behera and Mahendra Kumar	
17:40 -18:30	Cultural program	

List of posters:

P01	Anand Divya	Development of conducting nanocomposites by simultaneous in situ polymerization of aniline and matrix assembly from bacterial cellulose nanowhiskers
P02	Anjaneyulu Oruganti	Pt/TiN Nanocomposite for Photothermal CO oxidation
P03	Bhargava Priyanshu	Caffeic acid phenethyl ester (CAPE) possesses anticancer activity: Molecular characterization and its enhancement with γ CD
P04	Chitrangi Swati	Three Dimensional Polymer Scaffolds for Enhanced Differentiation of Human Mesenchymal Stem Cells to Hepatocyte-like Cells: A Comparative Study
P05	Dudani Amrita	Synergistic action of motilin and ghrelin facilitates different responses in various parts of the Suncus stomach in vitro
P06	Dudekula Althaf Basha	Application of STEM low angle annular dark field diffraction contrast to imaging of severely deformed alloys

P07	Fujita	N.	A Novel Long-Period Structure Formed in a High-Pressure Synthesized Mg-Zn-Yb Alloy
P08	Garg	Sukant	Cell-based screening of natural compounds for effective cancer treatment
P09	Garg	Sukant	Prosthesis Effective for Restoration of Fracture Enhanced with Cancer Treatment (Perfect) HIP
P10	Huda	Khateeb NOOR UI	Numerical Simulation of Bubbly Flows in an Aeration Tank with Biochemical Reactions
P11	Ji	Xin	Effect of graded β phase stability on deformation behavior in a metastable β -Ti alloy
P12	K	Dudhate Ambika	Functional analysis of defense related transcription factors in rice against sheath blight pathogen <i>Rhizoctonia solani</i>
P13	Kageyama	Daisuke	Profound Effects of Intracellular Microorganisms on Arthropod Reproduction and Development
P14	Kalra	Rajkumar S.	CARF determines the fate of cells through regulation of DNA damage and growth arrest signaling
P15	Kido	Shoichiro	Representation of Ningaloo Niño in the CMIP5 models
P16	Kulkarni	Manjiri	Structural Analysis of Sero-specific Immune Responses Using Epitope Grafted Mutants of Dengue Serotypes
P17	Kumar	Mukesh	Refractory Materials for Plasmonic Applications: a Theoretical Insight
P18	Li	Cheng-Lin	A Study On Deformation Behavior Of A Chemical Graded Beta Ti-10Mo-xFe Alloy
P19	Li	Kejuan	Anticancer activity in aqueous extract of <i>Helicteres angustifolia</i> L. root and its anticancer mechanisms
P21	Ling	Li	Mortalin regulates melanogenesis: evidence from cell culture based assays
P22	Manila	Nisha Gowri	IGF-I Receptor Influences Radiation-Induced G2 Arrest in HeLa Cells Expressing Fluorescent Ubiquitination-Based Cell Cycle Indicator (Fucci)
P23	Misra	Prakhar	Air Quality Analysis in Indian Cities Using Remote Sensing and Economic Growth Parameters
P24	Nigam	Nupur	Molecular mechanism of anticancer activity in Embelin, a quinone derivative of <i>Embelia ribes</i>
P25	Ohishi	Shun	Zonal movement of Mascarene High in austral summer

P26	Oono	Youko	Development of hexaploid wheat mutant populations through nontransgenic approach to the crop improvement
P27	Painumgal	Unnikrishnan V	Project Clean World: An attempt to achieve Zero Waste in India
P28	Payra	Debabrata	Facile and Rational Modulation of Ubiquitous Plant Polyphenols: Novel Multifunctional Coating Precursors from Nature
P29	Ping	D. H.	The hardening source of steel: ω -Fe
P30	Qiang	Jian	Effect of composition on property change in ZrCuAlNi metallic glasses after high-pressure torsion
P31	Ramaiah	Manish	Economic Analyses of Micro-irrigation in Four Water-scarce Areas in India
P32	Rathore	Himankshi	Automated 'PCR-on-paper' based point-of-care-testing of infectious diseases
P33	Richa	Tambi	Accelerated H-DROP: an SVM based helical domain linker predictor trained with features optimized by combining random forest and stepwise selection
P34	Subbaiah	Edupalli V.	Engineering Silkworms For Resistance To Baculovirus Through Multigene Therapy (RNA Interference)
P35	T	Jothi Saravanan	Environmental Impact Assessment for Infrastructure projects
P36	Takanashi	Naoto	Phase-contrast characteristics of ABF-STEM
P37	Tasaki	Wataru	Effect of Deformation Temperature on Low-Cycle Fatigue Properties in Fe-28Mn-6Si-5Cr Shape Memory Alloy
P38	Yamashita	Kenya	Structure refinements of the LPSO-Mg alloys based on STEM imaging combined with CBED
P39	Yasuike	Masato	Relation between Typhoon Characteristics and Climate Variations
P40	Yu	Yue	miR-335 induces apoptosis by targeting CARF in U2OS cells
P41	Zhou	Wenchong	First-principles study on phase stability in β -type Ti-X alloys (X = Mo, Al, Sn, Zr, Nb)