





[CC3DMR 2011 Conference Program for Registered Speakers]

[3D sessions]

Tuesday		Chair: Eun-Soo	
June 28	3D Research Session I	Kim	
	Incoherent computer-generated holography based	Toyohiko	Utsunomiya
8:30-9:00	on 3-D Fourier spectrum synthesis	Yatagai	University, Japan
	Optical 3D micro-nanoscope based on off-axis		Chonbuk National
9:00-9:30	interferometry	Daesuk Kim	University, Korea
			NHK (Japan
	Imaging and Display System for Integral 3D		Broadcasting
9:30-10:00	Television	Makoto Okui	Corporation)
10:00-10:30	Session Break		
Tuesday		Chair: Makoto	
June 28	3D Research Session II	Okui	
	Research activities on digital holographic 3D	Hiroshi	
10:30-11:00	displays in Japan	Yoshikawa	Nihon Univ, Japan
		Masayuki	Nagoya University,
11:00-11:30	Dense and Efficient Ray Acquisition for FTV	Tanimoto	Japan
	Computational approaches for fast generation of		
	digital 3-D video holograms using the N-LUT	Seung-Cheol	Kwangwoon
11:30-12:00	method	Kim	University, Korea
12:00-13:30	Lunch Break		
Tuesday			
June 28	3D Research Session III	Chair: Masayuki	Tanimoto
	Development of Polarization-sensitive Materials for		Advanced Industrial
	Polarization and Angular Multiplexed Volume		Science and
13:30-14:00	Holographic Recording	Takashi Fukuda	Technology, Japan







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			Japan Agency for
			Marine-Earth
	Ultra-Sensitive Detection of Microbial Cellulolytic	Shigeru	Science and
14:00-14:30	Activity by 3D Topographical Imaging	Deguchi	Technology, Japan
			SeeReal
	SMALL FORM FACTOR FOR HOLOGRAPHIC 3D		Technologies
14:30-15:00	DISPLAY PRODUCT	Gerald Fütterer	GmbH, Germany
15:00-15:30	Session Break		
Tuesday			
June 28	3D Research Session IV	Chair: Takashi Fu	ıkuda
			Bremer Institut für
			Angewandte
	Digital Holography based on the Principle of Self		Strahltechnik,
15:30-16:00	Reference	Claas Falldorf	Germany
			National Institute of
	3D visual system using electronic holography and		Information and
	ray-based image sensors toward ultra-realistic	Kenji	Communications
16:00-16:30	communication	Yamamoto	Technology, Japan
			Korea Institute of
	Design of Interactive 3D Calculator for 3D		Science and
16:30-17:00	Contents Generation	Min-Chul Park	Technology, Korea
	Luminescence Characteristic of Phosphor for 3D		Sungkyunkwan
17:00-17:30	Display Applications	Dae-Ho Yoon	University, Korea
17:30-			
Night	Dinner and Activities Recommended		
Wednesday			
June 29	3D Research Session V	Chair: Osamu M	atoba
	Three-dimensional display by using concave half	Byoungho Lee	Seoul National
8:30-9:00	mirror array	by carrying Lee	University, Korea







	Holographic femtosecond laser processing for		
	producing a three-dimensional structure in a	Yoshio	Utsunomiya
9:00-9:30	transparent material	Hayasaki	University, Japan
			Koç University,
9:30-10:00	3D Laser Scanning Displays	Hakan Urey	Turkey
10:00-10:30	Session Break		
Wednesday			
June 29	3D Research Session VI	Chair: Byoungho	Lee
	Correlation based interpolation technique for		
	Correlation based interpolation technique for		Par Ilan University
10:30-11:00	accurate 3-D and range estimation via projection	Zoou Zolovsky	Bar-Ilan University, Israel
10.50-11.00	of axially varied patterns	Zeev Zalevsky	
11.00 11.20	Direct and computer synthesized pick up methods	Fraker lie	Jilin university,
11:00-11:30	in integral imaging	Fushou Jin	China
	Metal Injection Molding as a Mass Production		
	Technology of 3-Dimentional Small Precision		
11:30-12:00	Components: A Review	Tae Shik Yoon	Bestner Inc, Korea
12:00-13:30	Lunch Break		
Wednesday		Chair: Fushou	
June 29	3D Research Session VII	Jin	
	Three dimensional Massurement by Digital		
	Three-dimensional Measurement by Digital		Koba University
15:30-16:00	Holography and Optical Three-dimensional Visualization based on Phase Modulation	Osamu Matoba	Kobe University,
13.30-10.00	Visualization based on Phase Modulation	Osamu Matoba	Japan
	Three-dimensional image capture and display with	Jae-Hyeung	Chungbuk National
16:00-16:30	light ray field frequency analysis	Park	University, Korea
	Study on Viewing Comfort in Stereoscopic Display		Beijing Institute of
16:30-17:00	and True 3D Display	Yue Liu	Technology, China
			Russian Academy of
17:00-17:30	3D DISPLAY DESIGN	Putilin Andrew	Sciences, Russia







18:00-Night	Conference Banquet		
10.00 Mg//	Highlight Talk, Kee-Young Kim, PhD		
	Intro Session: Korean Spirit and Culture Series		
	mire session. Rereal spint and calcure series		
Thursday			
June 30	Material Research Session XIII	Chair: Michael E.	Flatté
	Molecular Imaging of Cancer Biomarkers in Live		
	Cells Using Nano-Probe Based Raman Detection		Hanyang University,
8:30-9:00	Technique	Jaebum Choo	Korea
	Design of Novel 3D Biocompatible Interfaces using		Yamagata
9:00-9:30	Self-Organization to Control Cancer Cell behavior	Masaru Tanaka	University, Japan
	Artificial Spores: Individual Encapsulation of Living		
9:30-10:00	Cells	Insung S. Choi	KAIST, Korea
10:00-10:30	Session Break		
Thursday			
June 30	Materials Research Session XIV	Chair: Jaebum C	hoo
	Infrared spectroscopic studies of nanofilms and	Annemarie	Heidelberg
10:30-11:00	nanostructures	Pucci	University, Germany
	Controlling Color and Optical Reflection with	Michael E.	Linivariate of Tours
11:00-11:30	Controlling Color and Optical Reflection with Nanoparticles at a Liquid-Liquid Interface	Flatté	University of Iowa, USA
11.00-11.30	Nanoparticles at a Liquid-Liquid Interface	riatte	USA
	Top-Down Processed Nano structures in Silicon	Jung-Joon	Kwangwoon
11:30-12:00	Carbide by AFM-Assisted Lithography	Ahn1	University, Korea
12:00-13:30	Lunch Break		
Thursday		Chair: Jihoon	
June 30	Materials Research Session XV	Lee	
	Tetragonal Heusler-like alloys for spintronics		Tohoku University,
13:30-14:00	memory application	S. Mizukami	Japan







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	Spin damping monopoles in spin pumping +		Tokyo Metropolitan
14:00-14:30	inverse spin Hall systems	Gen Tatara	University, Japan
	3-dimensional spintronics for ultrahigh density		Cambridge
14:30-15:00	data storage	Dorothee Petit	University, UK
15:00-15:30	Session Break		
Thursday		Chair: Jihoon	
June 30	3D Research Session VIII	Lee	
	Magneto-optic collinear holography with nano-		Toyohashi
	clustered ferromagnetic garnet films for rewritable	Mitsuteru	University of
15:30-16:00	hologram memories	Inoue	Technology, Japan
			Korea Institute of
			Science and
16:00-16:30	An Omni-directional multi-focus 3D display system	Sung-Kyu Kim	Technology, Korea
	Volumetric Video Systems based on	Vladimir	Saratov State
	•	V.Petrov	University, Russia
16:30-17:00	Acoustooptical Recording of Electronic Holograms	v.retiov	Offiversity, Russid
17:00-Night	Dinner and Activities Recommended		

[Material sessions]

Tuesday			
June 28	Material Research Session I	Chair: Gregory S	alamo
	Quantum Nanostructures Fabrication by Pulsed	Stefano	Università di Milano
8:30-9:00	Droplet Epitaxy	Sanguinetti	Bicocca, Italy
	Pyramidal quantum dots: a versatile template for		Tyndall National
9:00-9:30	quantum dot engineering	E. Pelucchi	Institute, Ireland







	cQED in Quantum Dot Micropillar Cavities –		Universität
9:30-10:00	Fundamental Studies and Novel Device Concepts	S. Reitzenstein	Würzburg, Germany
10:00-10:30	Session Break		
Tuesday			
June 28	Materials Research Session II	Chair: S. Reitzen	stein
	Fabrication of Quantum Dots and Electrochemical		Nanjing University,
10:30-11:00	Biosensing	Jun-Jie Zhu	China
		Nobuyoshi	Tokyo University of
11:00-11:30	Multi-functionality of Quantum-sized Nanosilicon	Koshida	A & T, Japan
	Opto-Electronic Properties of TiO2 Composites		Yonsei University,
11:30-12:00	with Nano-mesoporosity	Yong-Rok Kim	Korea
12:00-13:30	Lunch Break		
Tuesday		Chair: Ping	
June 28	Materials Research Session III	Sheng	
	Mass production of reduced graphene oxides and		Sungkyunkwan
13:30-14:00	their possible applications	Hyoyoung Lee	University, Korea
11001100	Novel concepts of optoelectronic devices based on		University of Aizu,
14:00-14:30	multiple-graphene structures	V. Ryzhii	Japan
	Synthesis and Characterization of Nano Layered		Ewha Womans
14:30-15:00	Carbon Materials	Sung-Jin Kim	University, Korea
15:00-15:30	Session Break		
Tuesday			
June 28	Materials Research Session IV	Chair: V. Ryzhii	
			Hong Kong
			University of
	Intrinsic Superconductivity in Arrays of 4-Angstrom		Science and
15:30-16:00	Carbon Nanotubes Embedded in AFI Zeolite	Ping Sheng	Technology, China
			The Weizmann
	Unfolding the third dimension in electrical		Institute of Science,
16:00-16:30	measurements	Hagai Cohen	Israel







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	A photoresponsive single electron transistor		
	prepared from oligothiophene molecules and gold		Kyoto University,
16:30-17:00	nanoparticles in a nanogap electrode	Kenji Matsuda	Japan
	Key Requirements for Imaging and Analyzing 3D		
	Nano-Patterns Using CD-AFM in Industrial		
17:00-17:30	Applications.	Sang-Joon Cho	Park Systems, Korea
17:30-			
Night	Dinner and Activities Recommended		
Wednesday			
June 29	Material Research Session V	Chair: Hiroyuki I	Mayama
Julie 29	Waterial Research Session V	Chair. Throyaki i	l layama
	Assemblies of Inorganic Nanoparticles in		
	Microphase-separation of Spherically Confined		Tohoku University,
8:30-9:00	Block-copolymers and Polymer Blends	Hiroshi Yabu	Japan
	From Surface-Confined Molecular Self-Assembly to		Université du
9:00-9:30	Two-Dimensional Polymers	Rico Gutzler	Québec, Canada
3.00 3.30	Two Dimensional Folymers	THEO GULLIEI	National Institute
		Jonathan P.	for Materials
9:30-10:00	Aspects of organic chromophore self-assembly	Hill	Science, Japan
10:00-10:30	Session Break		
Wednesday	Description.		
June 29	Materials Research Session VI	Chair: Jonathan	P. Hill
		Hiroyuki	Hokkaido
10:30-11:00	Fractal in material	Mayama	University, Japan
		-	Universitat
	Ordered mesoporous magnetic materials	Eva Pellicer	Autònoma de
11:00-11:30	. 5		Barcelona, Spain
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		Tsuyoshi	The University of
11:30-12:00	Stretchable and Foldable Integrated Circuits	Sekitani	Tokyo, Japan
12:00-13:30	Lunch Break	Sekitaiii	Tokyo, Japan
Wednesday	Larier Dreak	Chair: Eva	
June 29	Materials Research Session VII	Pellicer	
13:30-14:00	Proximity effect in crystalline nanowires and topological insulators	Jian Wang	The Pennsylvania State University, USA
14:00-14:30	Nanostructure designing of self-assembled molecular wire of a pentacene derivative	Yutaka Wakayama	Shizuoka University, Japan
14:30-15:00	The electrical transport properties and electronic and optoelectronic devices of 1-D oxide semiconductor nanostructures	Zuliang Du	Henan University, China
15:00-15:30	Session Break		
Wednesday			
June 29	Materials Research Session VIII	Chair: Yutaka Wakayama	
15:30-16:00	Electrochromic Display Devices with Organic- Metallic Hybrid Polymer	Masayoshi Higuchi	National Institute for Materials Science, Japan
16:00-16:30	Supramolecular Nanodevices Based On π -conjugate Assemblies	Penglei Chen	Institute of Chemistry, CAS, China
16:30-17:00	Self-Assembled Organic Materials Leading to Solid-State Lasers	Seiichi Furumi	National Institute for Materials Science, Japan
	Nano-composite barrier coatings for flexible	Wolfgang	University of
17:00-17:30	displays	Sigmund	Florida, USA
17:30-			
Night	Conference Banquet		
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	Intro Session: Korean Spirit and Culture Series		
Thomasia		Chaire Tarreton	
Thursday June 30	Material Research Session XI	Chair: Torsten Fritz	
Julie 30	Waterial Research Session At	FIICE	
	Highly conductive thin films based on		
	alkylammonium-Au(dmit)2 salt fabricated by	Yasuhiro F.	Toin University of
8:30-9:00	Langmuir-Blodgett technique	Miura	Yokohama, Japan
	Nanostructure Dielectric Films Grown by Aerosol		Kwangwoon
9:00-9:30	Deposition	Song-Min Nam	University, Korea
	Vapor Detection and Evaluation of Thin Film		
	Deposition Using a Hybrid Sensor of Quartz	K. Shinbo	Niigata University,
	Crystal Microbalance and Optical Waveguide	K. Sninbo	Japan
9:30-10:00	Spectroscopy		
10:00-10:30	Session Break		
Thursday			
June 30	Materials Research Session X	Chair: Yasuhiro F	Miura
	Alignment control of organic semiconductor		National Institute
	molecules by photo-aligned polyimide films and		for Materials
10:30-11:00	its device applications	Kenji Sakamoto	
10.30 11.00	its device applications	Kenji Sakamoto	Institute of Solid
	Formation of Organic-on-Organic Heteroepitaxial		State Physics,
11:00-11:30	Layers	Torsten Fritz	Germany
11.00-11.30	Layers	TOTSLETT FILE	Institute for
			Integrative
11:30-12:00	Strain Tunable Quantum Det Devises	Rinaldo Trotta	Nanosciences,
	Strain-Tunable Quantum Dot Devices Lunch Break	Milaido ITOlla	Germany
12:00-13:30	LUIICII DIEAK		
Thursday	Matariala Dagagrah Consists VI	Chaim Ki Barra C	
June 30	Materials Research Session XI	Chair: Ki-Bong S	ong







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			Victoria University,
13:30-14:00	Towards protein evolution in a microchip	Yonggang Zhu	Australia
	Construction of DNA Self-Organization toward		Kansai University,
14:00-14:30	Molecular Electronics	Y. Ohya	Japan
	9G DNAchip: A Platform for the Efficient		
	Hybridization of the Target DNA's based on the		Hallym University,
14:30-15:00	Lateral Spacing	Taisun Kim	Korea
15:00-15:30	Session Break		
Thursday			
June 30	Materials Research Session XII	Chair: Yonggang	Zhu
	Nanostructured Group IV Elements for Energy	Din main a Wai	University of
15:30-16:00	Storage	Bingqing Wei	Delaware, USA
			Electronics and
	High Efficient CuInGaSe2 Thin Film Solar Cells by		Telecommunications
	the use of Non-Vacuum Direct Chemical Spray		Research Institute,
16:00-16:30	Technique	Ki-Bong Song	Korea
	Sol-gel silica waveguide for electro-optic	Yasufumi	Hiroshima
16:30-17:00	modulators and biophotonic sensors	Enami	University, Japan
			Korea Institute of
	Enhanced electrical properties of buried oxide thin		Science and
17:00-17:30	film transistors	Sang Yeol Lee	Technology, Korea
	Mechanical resonators based on monolayer		University of
17:30-18:00	graphene at dilution refrigerator temperatures	Joel Moser	Barcelona, Spain
18:00-			
Night	Dinner and Activities Recommended		







♦ Conference Schedule

27th June: afternoon 2:00PM-6:00PM on-site registration; Poster Session from 6:00PM - posters should stay until the end of the conference. Conference Reception from 7:00PM

Welcoming address by conference chairs

♦ 28th June: full day oral presentations Evening activities for attendees from 7:00PM

→ 29th June: full day oral presentations

Conference Banquet from 7:00PM

Highlight Talk, Kee-Young Kim, PhD

Intro Session: Korean Spirit and Culture Series

♦ 30th June: full day oral presentations Evening activities for attendees from 7:00PM

♦ 1st July: scientific excursion (transportation & tickets covered by the conference)