	Chaleston Ballroom B, Red Rock, Las Vegas,	USA	
Thursday	Chalocon Ballicom B, red reok, Edo Vogas,		
April 21	Opening:		
8:00-8:30	From Villa Conferences to EMN Meeting	Zhiming M. Wang	
	Trom villa conferences to Livin weeting	Zillilling W. Wang	
Thursday			
April 21	VCIAN: Carbon Nanostructures I	Chair: Mark C. Hers	am
	Terahertz light amplification by stimulated		
	emission of radiation in optically pumped		
8:30-9:00	graphene	Taiichi Otsuji	Tohoku University, Japan
	Band-gap opening in graphene through		
9:00-9:30	functionalization with fluorine	Monica F. Craciun	University of Exeter, UK
	Molecular interaction with epitaxial graphene		
	on SiC(0001)Molecular interaction with		National University of
9:30-10:00	epitaxial graphene on SiC(0001)	Han Huang	Singapore, Singapore
10:00-10:15	Session Break		
Thursday			
April 21	VCIAN: Carbon Nanostructures II	Chair: Monica F. Cr	aciun
	Chemical methods for enhancing the		
	performance of carbon nanoelectronic		Northwestern University,
10:15-10:45	materials	Mark C. Hersam	USA
10:45-11:15	Simulation of Graphene Electronic Devices	Jing Guo	University of Florida, USA
	The Effect of Molecules with a Sulfuric Group		, and the same of
11:15-11:30	on Carbon Nanotubes	Nicolas A. Cordero	University of Burgos, Spain
11:30-14:00	Lunch Break		Chiverenty of Bangoo, opani
Thursday	Zarion Di can		
April 21	VCIAN: THz	Chair: Taiichi Otsuji	
7 (PIII 2 I	Quantum cascade lasers with integrated	Orian. Tanom Otoaji	
	nonlinearity for differencefrequency (THz)		
	and second harmonic (near infrared)		Technische Universitaet
14:00-14:30	generation	Markus C. Amann	Muenchen, Germany
14.00-14.00	The Realization of Comb-FTIR at THz	Markas S. 7 tillarili	Wideficher, Germany
	frequencies using a NbN		Air Force Research
14:30-15:00	Hot-Electron Bolometer	Walter Buchwald	Laboratory/RYHC, USA
15:00-15:15	Session Break	Waltor Buoriwala	Laboratory/11110, 00/1
Thursday	CC3SION DICAN		
April 21	VCIAN: Hybrid Nanostructures	Chair: Vladimir Fom	in
April 2 i	Optical phenomena in hybrid nanostructures:	Orian. Viadirini i Ori	
	Exciton-plasmon interaction, Chirality, and		
15:15-15:45	Circular Dichroism	Alexander Govorov	Ohio University, USA
10.10-10.40	Hybrid polyfluorene-based nanocomposite	Aloxandor Covolov	Offic Officersity, OOA
	superstructures for near-		University of Delaware,
15:45-16:15	infraredoptoelectronics	Sylvain Cloutier	USA
10.40 10.10	The Quantum Theory of the Nonlinear Fano	Cyrvain Cication	COA
	Effect in the Hybrid metal-semiconductor		
16:15-16:45	nanostructures	Wei Zhang	IAPCM, China
16:45-17:00	Session Break	VVOI ZIIGIIG	IAI OW, OTHINA
Thursday	Cession Dieak		
April 21	VCIAN: Carbon Nanostructures III	Chair: Jing Guo	
April 2 i		Chair. Jing Guo	National University of
17:00-17:30	Applications of Multi-functional Carbon Nanotubes as Base Template	Daniel Chua	National University of Singapore, Singapore
17.00-17.30	Transition metal catalyzed unzipping of	Daillei Cilua	Singapore, Singapore
	carbon nanotubes into narrow graphene		Southoast University
17:30 10:00	ribbons and design of mechanically robust tri-	linlan Wana	Southeast University,
17:30-18:00	wing graphene nanoribbons	Jinlan Wang	China
	Radial breathing vibration of double-walled		
18:00-18:15	carbon nanotubes subjected to axial	Xiaowen Lei	Shinshu I Iniversity Janea
10.00-10.13	pressure	AIGUWEII LEI	Shinshu University, Japan

	Chaleston Ballroom B, Red Rock, Las Vegas,	LISA	
Friday	Onaleston Dalifoom D, Ned Nock, Las Vegas,		
April 22	VCIAN: Nanomembranes	Chair: Zhiming M. V	Vang
9:00-9:30	Semiconductor Nanomembranes: Sheet	Orian: Erinning ivi.	University of Wisconsin-
(keynote)	Science and Technology	Max G. Lagally	Madison, USA
9:30-10:00	Colonida and Teormology	max or Lagany	Wadioon, Cort
(keynote)	Nanomembranes in good shape	Oliver G. Schmidt	IFW Dresden, Germany
10:00-10:15	Session Break		ii vi Breeden, Cennany
Friday	Coolin 2, can		
April 22	VCIAN: Surface Nanostructures	Chair: Max G. Laga	llv
, .p	V O // II II O O II II II O O II II II O O II II	Harold J.W.	University of Twente, The
10:15-10:45	Self-organizing Atomic Chains	Zandvliet	Netherlands
10.10 10.10	Interaction of organic semiconductor		University of Leoben,
10:45-11:15	nanostructures	Christian Teichert	Austra
	Strain Dependence of Microscopic		
	Parameters and its Effect on Ordering during		University of California,
11:15-11:45	Epitaxial Growth	Christian Ratsch	Los Angeles, USA
	Atomistic view of InAs quantum dot self-		Anan National College of
11:45-12:15	assembly during MBE growth	Shiro Tsukamoto	Technology, Japan
12:15-13:30	Lunch Break		3,, ==
Friday			
April 22	VCIAN: Patterned Growth	Chair: Christian Rat	sch
	Semiconductor Quantum Wire-Dot Systems		
	Grown on Patterned Substrates: Structure,		Swiss Federal Institute of
	Properties and Applications in		Technology, Lausanne,
13:30-14:00	Nanophotonics	Eli Kapon	Switzerland
	Site-control of In(Ga)As Quantum Dots using		
	Patterned Substrates, Nano-Jet Probe, and		Wakayama University,
14:00-14:30	Metal Mask	Nobuhiko Ozaki	Japan
	Surface templates fabricated using a focused		
	ion beam for lateral positioning of		University of Pittsburgh,
14:30-15:00	nanostructures on Si substrates	Jennifer Gray	USA
15:00-15:15	Session Break		
Friday			
April 22	VCIAN: Self-Assembly	Chair: Oliver G. Sch	nmidt
	Self-Assembled Si and Ge Nanostructures	Takeharu	
15:00-15:30	on Atomic Straight Si Steps	Sekiguchi	Keio University, Japan
	STMBE observation of InAs growth in nano		Anan National College of
15:45-16:00	hole structures on GaAs(001)	Takashi Toujyou	Technology, Japan
			Institute for Semiconductor
			Nanoelectronics,
	Si/Ge quantum dot crystals with small	Detlev	Forschungszentrum Jülich,
16:00-16:30	periodicities	Grützmacher	Germany
	Ge quantum dot arrays grown by ultrahigh		
	vacuum molecular beam epitaxy on the Si		
	(001) surface: Nucleation, morphology and		A.M. Prokhorov General
16:30-17:00	CMOS compatibility	Vladimir A. Yuryev	Phys Inst, RAS, Russia
17:00-17:15	Session Break		
Friday			
April 22	VCIAN: Quantum Dots I	Chair: Jennifer Gray	
	Atomic structure of submonolayer grown		Technische Universität
17:15-17:45	InAs/GaAs quantum dots	Holger Eisele	Berlin, Germany
	Grazing Incidence X-ray Diffraction		
	Measurements of InAs/GaAs Quantum Dots		Yokohama National
17:45-18:15	Using Equipment Available for Laboratories	Kohki Mukai	University, Japan
	Statistical Comparison of Quantum Dot		
	Nucleation Sites and Surface Reconstruction		Anan National College of
18:15-18:30	Domains on InAs/GaAs(001) Wetting Layer	Tomoya Konishi	Technology, Japan
	Conference Banquet		

	Chaleston Ballroom B, Red Rock, Las Vegas,	USA	
Saturday			
April 23	VCIAN: Nanowires I	Chair: Eli Kapon	
	Electronic instabilities, fluctuations, and	Hanno H.	University of
8:00-8:30	transport in epitaxial silicide nanowires	Weitering	Tennessee/ORNL, USA
0.00 0.00	Functional Imaging of Semiconducting and	, v o to mig	Northwestern University,
8:30-9:00	Oxide Nanowires	Lincoln J. Lauhon	USA
0.00 0.00	Ga-assisted MBE grown GaAs nanowires		École Polytechnique
	and related quantum heterostructures for	Anna Fontcuberta i	Fédérale de Lausanne,
9:00-9:30	solar applications	Morral	Switzerland
	MBE growth of InAs/GaAs Core-Shell		Weizmann Institute of
9:30-10:00	Nanowires	Hadas Shtrikman	Science, Israel
10:00-10:15	Session Break		
Saturday			
April 23	VCIAN: Nanowires II	Chair: Lincoln J. La	uhon
	Direct atomic scale imaging and		
	spectroscopy of the interior and exterior of III-		
10:15-10:45	V nanowires	Anders Mikkelsen	Lund University, Sweden
	Bridging wide bandgap nanowires for	Jean-Jacques	The University of Tokyo,
10:45-11:15	ultraviolet light detection	Delaunay	Japan
	Nanowires in Novel Device Concepts in the		- Capair
	fields of ohotonics, optoelectronics as well as		
	for sensing: Materials optimization based on		Max-Planck-Inst for the
11:15-11:45	simulations and nano-characterization	Silke Christiansen	Science of Light, Germany
11:45-13:30	Lunch Break		3 ,, ,
Saturday			
April 23	VCIAN: Nanowires III	Chair: Hadas Shtrik	man
	Crystal phase engineering in III-As(-Sb)		IEMN, UMR CNRS 8520,
13:30-14:00	single nanowires	Philippe Caroff	Lille1 University, France
			NEST, Istituto
	Coexistence of Vapor–Liquid–Solid and		Nanoscienze-CNR and
	Vapor–Solid–Solid Growth Modes in		Scuola Normale Superiore,
14:00-14:30	Pd-Assisted InAs Nanowires	Stefan Heun	Italy
	Progress in site—& density-controlled growth		
	and properties of catalyst–free vertical group-		Technische Universitaet
14:30-15:00	III-arsenide nanowire arrays on Si	Gregor Koblmüller	Muenchen, Germany
			Hong Kong University of
	MBE-grown magnetic/non-magnetic		Science and Technology,
15:00-15:30	heterostructured nanaowires	Philip I.K. Sou	Hong Kong
Sunday			
April 24	VCIAN: Nanowires IV	Chair: Philip I.K. So	
	Spatial arranged ZnO nanowires: developing		University of Freiburg,
10:15-10:45	technologies for future applications	Margit Zacharias	Germany
	Stochastic Resonance and Related		
	Phenomena in GaAs-based Nanowire FET		Hokkaido University,
10:45-11:15	Networks	Seiya Kasai	Japan
	Morphological control of Si nanowire arrays		
	and their applications in solar cells and fate		l
	regulations of human mesenchymal stem		National Tsing Hua
		Lo Ion Von	Ulnivorcity Taiwan
11:15-11:45	cells	Ta-Jen Yen	University, Taiwan
11:15-11:45 11:45-12:15	Nanowires for sensing and emission of molecules in biological environments	Magnus Willander	Linköping University, Norrköping, Sweden

	Chaleston Ballroom C, Red Rock, Las Vegas	USA	
Thursday			
April 21	VCIAN: Nanocrystals	Chair: Alexander G	ovorov
	New Quantum Dot Designs and Formation	Johann Peter	INA, Universitaet Kassel,
9:00-9:30	Processes for Active Optoelectronic Devices	Reithmaier	Germany
	Mode manipulation and hybridization in		
	resonantly coupled spherical microcavities		
	with semiconductor nanocrystals and J-		Centro Mixto CSIC-
9:30-10:00	aggregates	Yury Rakovich	UPV/EHU, Spain
	Single-molecule spectroscopy study of		
	interfacial charge separation and energy		
	transfer in hybrid systems based on		
	semiconductor quantum dots, fullerenes and		Brookhaven National
10:00-10:15	conjugated polymers	Mircea Cotlet	Laboratory, USA
10:15-10:30	Session Break		
Thursday			
April 21	VCIAN: Nano Wires V	Chair: Johann Pete	r Reithmaier
	Nanophotonics with Plasmonics and		
	Nanowires: Applications to Subwavelength		Arizona State University,
10:30-11:00	Lasers and Novel Solar Cells	Cun-Zheng Ning	USA
	Multifunctional semiconductor nanowire		
	array: wettability control and solar energy		
11:00-11:30	conversion	Kijung Yong	POSTECH, South Korea
	One-Dimensional Phase-Change Nanowires		
11:00-12:00	for Memory Application	Xuhui (Jeff) Sun	Soochow University, China
12:00-14:00	Lunch Break		
Thursday			
April 21	VCIAN: Photovoltaic	Chair: Cun-Zheng N	Ning
	Exploiting interactions among metal,		
	dielectric, and semiconductor nanostructures		The University of Texas at
14:000-14:30	for photovoltaic devices	Edward T. Yu	Austin, USA
	Enhancing solar energy to electricity	Anastassios	Massachusetts Institute of
14:30-15:00	conversion through nanostructured surfaces	Mavrokefalos	Technology, USA
15:00-15:15	Session Break		
Thursday			
April 21	VCIAN: Electrons in Nano	Chair: Edward T. Y	u
	Atom devices based on single-dopants in		
15:15-15:45	silicon nanostructures	Michiharu Tabe	Shizuoka University, Japan
	Donor based quantum dots and single		University of New South
15:45-16:15	donors in silicon	Michelle Simmons	Wales, Australia
16:15-16:45	Hybrid Quantum Dots	Clemens Rössler	ETH Zurich, Switzerland
	Hot electrons on the nanoscale: An electron		
	jet pump and the transition from two to one		Ludwig-Maximilians-
16:45-17:15	dimensional scattering	Stefan Ludwig	Universität, Germany
17:15-17:30	Session Break		
Thursday			
April 21	VCIAN: Magnetics and Spin	Chair: Stefan Ludw	ig
	Mesoscale modelling of complex magnetic		
17:30-18:00	nanomaterials	Richard Evans	University of York, UK
	Structural and magnetic properties of Fe-	Jean-Marc	Universite du Maine,
18:00-18:30	based nanostructures	Greneche	France
	Donor Spins in Silicon: Spin Control and		Walther-Meissner-Institut,
	10: 1 0 : D 1 1	Hans Hübl	Germany
	Single Spin Readout	nans nubi	
18:30-19:00 19:00-19:30 (Impact Talk)	Impact of Korean Industries on Nanotechnology Commercialization	Hanjo Lim	Ajou University, Suwon Gyeonggi, South Korea

	Chaleston Ballroom C, Red Rock, Las Vegas,	LISA	
Friday	Chaleston Balliconi C, Neu Nock, Las Vegas,	USA	
~	VOIANI Light Matter	Chair Vana 7hana	
April 22	VCIAN: Light-Matter	Chair: Yong Zhang	Habitanitt Baria Bidanet
	Ultrastrong light-matter coupling with	V 1 T 1	Université Paris Diderot,
8:15-8:45	intersubband polariton dots	Yanko Todorov	France
	Control of Photon Emission Processes in		Hokkaido University,
8:45-9:15	Semiconductor Nanostructures	Ikuo Suemune	Japan
	Properties of Nano-cones Formed on a		
	Surface of Semiconductors by Laser		
	Radiation: Quantum Confinement effect of		Riga Technical University,
9:15-9:45	Electrons, Phonons and Excitons	Arturs Medvids	Latvia
	Tunable Exciton Relaxation in Coupled		
9:45-10:15	Quantum Dots	Eric A. Stinaff	Ohio University, USA
10:15-10:30	Session Break		, , , , , , , , , , , , , , , , , , ,
Friday	Coolon Broak		
April 22	VCIAN: Nanoparticles and Atomic Forces	Chair: Curtis R. Tay	lor
April 22	Brittle-Ductile Transition and Order Formation	Chair. Curus IX. Tay	
		Michael R.	Campania Mallan
40.00 44.00	in Assemblies of Polymer-		Carnegie Mellon
10:30-11:00	Grafted Nanoparticle Systems	Bockstaller	University, USA
			Institut català de
11:00-11:30	Bi-magnetic Core Shell nanoparticles	Marta Estrader	Nanotecnologia, Spain
	Nanoporous silica shapes as a result of self-		
11:30-12:00	assembly of nanoparticle seeds	Igor Sokolov	Clarkson University, USA
			University of Regensburg,
12:00-12:30	How to Sense Atomic Forces	Franz J. Giessibl	Germany
12:30-13:30	Lunch Break		
Friday			
April 22	VCIAN: Oxide	Chair: Marta Estrad	er
•	Transparent Electronics: from n- to p-type		FCT-Universidade Nova
13:30-14:00	oxide thin film transistors	Elvira Fortunato	de Lisboa, Portugal
10.00 11.00	Low Temperature Physical Synthesis of ZnO		ao Elobou, i ortugu.
14:00-14:30	Nanostructures	Curtis R. Taylor	University of Florida, USA
14.00-14.00	Ferrimagnetic FexCo(2-x)O4 nanostructures	ourus it. rayioi	Chiversity of Florida, COA
	embedded in highly ordered		
	antiferromagnetic	Albero López	Universitat Autònoma de
14:30-15:00	_	•	
14.30-15.00	Co3O4 mesoporous templates	Ortega	Barcelona, Spain
	The phenomena of phonon confinement,		
	phonon splitting and electron transport in an	Bonov Welster	COID Notional Lagran
4=00.4=4=	ensemble of  V2O5 VO2  bi-layered and	Bonex Wakufwa	CSIR- National Laser
15:00-15:15	VO2@V2O5 core-shell nano-ribbons	Mwakikunga	Centre, South Africa
	Photoluminescence and Photo-catalytic		
15:15:15:30	Activity of Synthesized Nanocrystals	H.S.Bhatti	Punjabi University, India
	Ag-catalyzed ultrathin single-crystal ZnO		Nanyang Technological
15:30-15:45	nanobelts and field emission property	XING Guozhong	University, Singapore
	Conference Banquet		

Saturday April 23  VCIAN: Semiconductor Nanostructures Optically Probing Spin-Split Bands in Semiconducting Nanostructures Semiconducting Nanostructures Semiconducting Nanostructures Semiconducting Nanostructures Saturday Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- As nanostructures Saturday April 23  VCIAN: Quantum Dots II III-N quantum dots: Growth, performance and new applications Many body effects and the role of the carrier distribution in InAs/GaAs quantum dot Engineering novel spin functionality for a single charge confined in a quantum dot Iz:01-12:15 Iz:15-13:30  Zunch Break  April 23  VCIAN: Break  CVIAN: Quantum Dots II III-N quantum dots: Growth, performance and new applications Many body effects and the role of the carrier distribution in InAs/GaAs quantum dot molecule Isotropic and anisotropic biaxial strain-tuning of single semionductor quantum dots Iz:15-13:30  Zunch Break  April 23  April 24  VCIAN: Biomedical and Photovoltaic Applications  Chair: Igor Sokolov  Chair: Igor		Chaleston Ballroom C, Red Rock, Las Vegas,	IISA	
April 23 VCIAN: Semiconductor Nanostructures Optically Problems Sins-Boll Bands in Semiconducting Nanostructures Advanced quantum dot structures With manageable photoelectron kinetics Electron localization and the Aharonov-Bohm effect Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- As nanostructures As nanostructures Will-15-10:30 Session Break  VCIAN: Quantum Dots II III-N quantum dots Growth, performance and new applications Amy over significant containing the single charge confined in a quantum dot molecule Isotropic and anisotropic biaxial strain-tuning of single semiconductor quantum dots Characterization and biocompatibility of magnetic nanoparticles of polimedical field Nanostructural Devices for Biomolecule Detection Puture prospect of magnetic nanoparticles in biomedical field Nanostructural Devices for Biomolecule Detection Puture prospect of magnetic nanoscale Engineering notices of might are prospect of magnetic nanoscale Engineering notices of magnetic nanoscale Electron Interactions Puture prospect of magnetic nanoscale Electron Interactions Puture prospect of magnetic nanoscale Engineering notices of might are prospect of medical pagnetic nanoscale Engineering notices of might are prospect of medical pagnetic nanoparticles in biomedical field Nanostructured Thin Films for Organic Thin Film Transistora and Photovoltaic Devices of Biomolecule Detection Puture prospect of magnetic nanoscale Engineering notices of might are prospect of medical and Photovoltaic Devices of Session Break  Chair: Daniel Schaadt Louislana State University, Japan Nanostructured Thin Films for Organic Thin Film Transistora and Photovoltaic Devices of Session Break  Chair: Daniel Schaadt Louislana State University of Hong Kong, Hong Kong Hong Kong, Hong Kong Hong Kong, Hong Kong Hong Kong, Hong Kong Japa-Biaco And Louislana State University, University of Nothale Audical Chair Chair Shengli Zou Nanostructured Thio Films For Organic Th	Saturday	Chaleston Ballicom C, Red Rock, Las Vegas,	USA	
Optically Probing Spin-Spilt Bands in Stanton University of Florida, USA Semiconducting Nanostructures Stanton University of Florida, USA Advanced quantum dot structures with manageable photobelectron kinetics [Electron localization and the Aharonov-Bohm effect Nanoscale Engineering of Electron Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- Nanoscale Engineering III-N quantum dots: Growth, performance and new applications Many body effects and the role of the carrier distribution in IndeX/GAAs quantum dot sering in III-N quantum dots: Growth, performance and new applications Many body effects and the role of the carrier distribution in IndeX/GAAs quantum dot molecule Isotropic and anisotropic biaxial strain-tuning of single semiconductor quantum dots VCIAN: Biomedical and Photovoltaic Applications Characterization and biocompatibility of magnetic nanoparticles in Chairs and China Tung Vokohama National University, Japan Nanostructured Thin Films for Organic Thin Film Transistors and Photovoltaic Devices Stunday April 24 VCIAN: Biomedical applications Characterization Applications Plasmonic waveguide-acavity systems for mainplulating light at the nanoscale Effect of surface plasmons on waveguide and plasmonic solar cells Plasmonic solar cells Sunday Vokohama National University, Japan Nanoparticles for efficiency enhancement in plasmonic solar cells Sunday Vokohama National University of North University of North Univ	<u>~</u>	VCIAN: Semiconductor Nanostructures	Chair: Eva Monroy	
Semiconducting Nanostructures Advanced quantum dot structures with manageable photoelectron kinetics Electron localization and the Aharonov-Bohm effect Nanoscale Engineering of Electron Interactions (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- As nanostructures (properties of isolated and coupled ternary III- III- Adams (properties) (properties of isolated and coupled ternary III- III- Adams (properties) (p	7 tpm 20		-	
Advanced quantum dot structures g. 30-9:00 with manageable photoelectron kinetics Electron localization and the Aharonov-Bohm effect Nanoscale Engineering of Electron Nanoscale	8.00-8.30		•	University of Florida USA
### Bilance   With manageable photoelectron kinetics   Electron localization and the Aharonov-Bohm effect	0.00-0.00	-	Otanton	Chiversity of Florida, COA
Electron localization and the Aharonov-Bohm effect   Viadimir Fomin   FW-Dresden, Germany	8:30-9:00	·	Vladimir Mitin	University at Buffalo, USA
effect Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III-0.00-10:15 As nanostructures Sesturday April 23 VCIAN: Quantum Dots II III-N quantum dots: Growth, performance and new applications Many body effects and the role of the carrier distribution in InAs/GaAs quantum dot laser Engineering novel spin functionality for a single charge confined in a quantum dot molecule Isotropic and anisotropic biaxial strain-tuning of single semiconductor quantum dot molecule Isotropic and anisotropic biaxial strain-tuning of single semiconductor quantum dot magnetic nanoparticles for biomedical applications Characterization and biocompatibility of magnetic nanoparticles in biomedical field Nanostructured Thin Films for Organic Thin Film Transistors and Photovoltaic Devices Ibim Transist	0.00 0.00		Viadiiiii iviidii	Chiversity at Banalo, Cort
Nanoscale Engineering of Electron Interactions Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- 40:00-10:15 As nanostructures 10:15-10:30 Session Break Saturday April 23 VCIAN: Quantum Dots II  10:30-11:00 May pody effects and the role of the carrier distribution in InAs/GaAs quantum dot laser Engineering novel spin functionality for a single charge confined in a quantum dot molecule Uson in Inas/GaAs quantum dot so single semiconductor quantum dots 21:15-13:30 Lunch Break VCIAN: Biomedical and Photovoltaic Applications Characterization and biocompatibility of magnetic nanoparticles in biomedical field Nanostructured Thin Film Transistors and Photovoltaic Devices Dismoelecule Plasmonic waveguide-cavity systems for manipulating light harvesting 9:30-9:45 Black and colored metals Plasmonic waveguide-cavity systems for manipulating light harvesting 9:30-9:45 Black and colored metals Pussiva for Dasmonic solar cells Design and fabrication of ZnO-based type-II heterostructures for photovoltaic applications Pussiva for Organic Thin plasmonic solar cells Design and fabrication of ZnO-based type-II heterostructures for photovoltaic applications Passivation of Nanostructured Tion Passiva	9.00-9.30		Vladimir Fomin	IFW-Dresden Germany
Interactions   Modelling and investigation of optoelectonic properties of isolated and coupled ternary III	0.00 0.00		7144	ii vi Breeden, Cernany
Modelling and investigation of optoelectonic properties of isolated and coupled ternary III- 4s nanostructures  10:10-10:30  Session Break  Saturday April 23  VCIAN: Quantum Dots II  10:30-11:00  Many body effects and the role of the carrier distribution in InAs/GaAs quantum dot molecule  11:30-12:00  molecule  Isotropic and anisotropic biaxial strain-tuning of single semiconductor quantum dots  Chair: Lgor Sokolov  Chair: Quantum Dots II  Chair: Andrei Sergeev  Eva Monroy  CEA-Grenoble, France  Cardiff University, United Kingdom  Inviversity of Delaware, Weiwen Liu  USA  Ushames D.  Plumhof  IFW Dresden, Germany  VCIAN: Biomedical and Photovoltaic  April 23  April 24  VCIAN: Biomedical and Photovoltaic  April 24  Nanostructural Devices for Biomolecule  Puture prospect of magnetic nanoparticles in biomedical field  Nanostructured Thin Films for Organic Thin Film Transistors and Photovoltaic Devices  Sunday  April 24  VCIAN: Plasmons and Metals  Plasmonic waveguide-cavity systems for manipulating light at the nanoscale  Effect of surface plasmons on waveguide  and light harvesting  9:30-9:45  Black and colored metals  Design and fabrication of ZnO-based type-II  non-11:30  Solar Cells  Puel Cell Manufacturing and  Commercialization Rikks: The promise of  Oregon Institute, Ireland  Tyndall National Institute, Ireland  Chair: Andrei Sergeev  Chair: Andrei Sergeev  Eva Monroy  CEA-Grenoble, France  Chair: Andrei Sergeev  Chair: Andrei Sergeev  Eva Monroy  CEA-Grenoble, France  Chair: Andrei Sergeev  University of Delaware,  Weiwen Liu  UsA  Johannes D.  Peter Smowton  IFW Dresden, Germany  IFW Dresden, Germany  IFW Dresden, Germany  Vokohama National  University, Japan  National Chiao Tung  Un	9:30-10:00		Andrei Sergeev	University at Buffalo, USA
properties of isolated and coupled ternary III- do an anostructures  10:15-10:30  Sassion Break  3aturday April 23  VCIAN: Quantum Dots II  10:30-11:00  11:30-11:00  11:30-12		Modelling and investigation of optoelectonic		, , , , , , , , , , , , , , , , , , , ,
Diversity of Delaware,   Diversity, Japan   National Chiao Tung   Fu-th sing Ko   Saturday   April 24   VCIAN: Biomedical applications   Nanostructured Thin Films for Organic Thin Stondards   Full Palsmonic waveguide-cavity systems for manipulating light at the nanoscale Stunday   Sunday   Session Break   Stunday   Standard				Tyndall National Institute,
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Design and fabrication of ZnO-based type-II heterostructures for photovoltaic applications Passivation of Nanostructured TiO2 Interfaces with a Multifunctional PEG-Based Oligomeric Co-adsorbent in Dye-Sensitized Solar Cells Fuel Cell Manufacturing and Commercialization Risks: The promise of  University of North Carolina at Charlotte, USA  Yong Soo Kang Hanyang University, Korea  Oregon Institute of	10:00-10:30		Daniel Schaadt	
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Passivation of Nanostructured TiO2 Interfaces with a Multifunctional PEG-Based Oligomeric Co-adsorbent in Dye-Sensitized 11:00-11:30 Solar Cells Fuel Cell Manufacturing and Commercialization Risks: The promise of  Passivation of Nanostructured TiO2 Interfaces with a Multifunctional PEG-Based Vong Soo Kang Hanyang University, Korea Oregon Institute of	10:30-11:00		Yong Zhang	Carolina at Charlotte, USA
Oligomeric Co-adsorbent in Dye-Sensitized Solar Cells Fuel Cell Manufacturing and Commercialization Risks: The promise of  Oligomeric Co-adsorbent in Dye-Sensitized Yong Soo Kang Hanyang University, Korea Oregon Institute of				
11:00-11:30 Solar Cells Yong Soo Kang Hanyang University, Korea Fuel Cell Manufacturing and Commercialization Risks: The promise of Oregon Institute of		Interfaces with a Multifunctional PEG-Based		
11:00-11:30 Solar Cells Yong Soo Kang Hanyang University, Korea Fuel Cell Manufacturing and Commercialization Risks: The promise of Oregon Institute of				
Commercialization Risks: The promise of Oregon Institute of	11:00-11:30		Yong Soo Kang	Hanyang University, Korea
·		Fuel Cell Manufacturing and		
11:30-12:00 Nanotechnology USA		·		
11.50-12.00   Ivanoteoninology   SA	11:30-12:00	Nanotechnology	Slobodan Petrovic	Technology, USA

	Chaleston Ballroom D, Red Rock, Las Vegas,	USA	
Saturday	Charcotor Bailleon B, Rea Rock, Eas Vogas,		
April 23	VCIAN: Growth and Characterization I	Chair: Katsuhiko Ar	iga
7 (5111 20	Growth and characterization of GaN-based		<b>3</b>
	dilute magnetic semiconductors and their	Shigehiko	
8:30-9:00	nanostructures	Hasegawa	Osaka University, Japan
0.00 0.00	Quantum phase transition in superconductor	, naogana	Scara Sinversity, capair
9:00-9:30	nanocylinders	Alexander Palevski	Tel Aviv University, Israel
0.00 0.00	Electrical properties of C60 delta-doped	7 407 401 401 7 410 7014	rory titt om voroney, rorder
9:30-10:00	GaAs, AlGaAs layers	Jiro Nishinaga	Waseda University, Japan
0.00 10.00	Initial growth of MnAs on GaAs (110) and	ome the made	Anan National College of
10:00-10:15	(001)	Motoi Hirayama	Technology, Japan
10:15-10:30	Session Break	, managama	roomiology, capan
Saturday	Coolin 2, can		
April 23	VCIAN: Growth and Characterization II	Chair: Shigehiko Ha	segawa
7 47 20	Novel supramolecular way for access to		
	nanotechnology: Hand-operating		National Institute for
10:30-11:00	nanotechnology	Katsuhiko Ariga	Materials Science, Japan
10.00 11.00	Phase-Equilibrium-Dominated Vapor-Liquid-	ratourinto / triga	Waterials Colerice, Supari
11:00-11:30	Solid Growth Mechanism	Zheng Hu	Nanjing University, China
11.00 11.00	Metallic and Semiconductor Nanostructures	Zilong riu	Uni des Sciences et
	in Glasses and Microstructured Fibers:	Mohamed	Technologies de Lille,
11:30-12:00	Structural and Optical Properties	Bouazaoui	France
11.30-12.00	Otructural and Optical Froperties	Douazaoui	Institute of Solid State
	Crystallization of Ti33Cu67 metallic glass		Chemistry and
12:00-12:15	under high current density electrical pulses	Dina V. Dudina	Mechanochemistry, Russa
12:15-13:30	Lunch Break	Dilla V. Dudilla	wechanochemistry, Russa
	Lunch bleak		
Saturday April 23	VCIAN: Growth and Characterization III	Chair: Zhana Hu	
April 23	VCIAN. Growth and Characterization in	Chair: Zheng Hu	Université Catholique de
13:30-14:00	Magnetic nanowires for spintronics purposes	Luc Piraux	Université Catholique de Louvain, Belgium
13.30-14.00	Metal-Assisted Hydrofluoric Acid Etching of	Luc Filaux	Louvaiii, beigiuiii
14:00-14:30	Silicon	Shinji Yae	University of Hyogo, Japan
14.00-14.30	Silicon Nanostructures Formed by	Silliji rae	West Chester University,
14:30-15:00	Electroless Etching	Kurt Kolasinski	USA
14.30-13.00	Observation of a metal-to-insulator switching	Nuit Noiasiiiski	USA
	effects and phonon signatures in the nano		CSIR- National Laser
15:00-15:15	Fe-Pt alloys produced by UV laser photolysis	S. Nkosi	Centre, South Africa
Sunday	Te-it alloys produced by OV laser priotolysis	O. INKOSI	Centre, South Amca
April 24	VCIAN: Characterization and Application I	Chair: Jayasimha A	tulasimha
Дрії 24	Acoustic and thermal excitations transfer in	Onan. Jayasii ilia A	luiasiiiiia
	nanoscale junctions via Ultrasonic Force and		Lancaster University,
8:45-9:15	Scanning Thermal Microscopy	Oleg Kolosov	United Kingdom
0.43-9.13	Nanopatterns and Nanomaterials: Synthesis,	Cieg (tolosov	Nanyang Technological
9:15-9:45	Characterization, Properties and Applications	Hua Zhang	University, Singapore
9.10-9.40	Studies on Sericin/Silk Fibroin Blend	riua zriarig	Oniversity, Onigapore
9:45-10:00	Nanofibers for Wound Dressing	Xianhua Zhang	Shinshu University, Japan
10:00-10:15	Session Break	Mainua Zhany	oriniana orinversity, Japan
Sunday	Gession Diean		
April 24	VCIAN: Characterization and Application II	Chair: Hua Zhang	
April 24	VCIAN: Characterization and Application II Electrically Switchable Multiferroic	Chair. Hua Zhang	
	,	Jayasimha	Virginia Commonweelth
10:15 10:45	Nanomagnets: a New Paradigm for Low	Atulasimha	Virginia Commonwealth
10:15-10:45	Power Nanomagnetic Computing	Aluiasillilia	University, USA
	Highly sensitive hydrogen sensor based on		Institute of Distances
	graphite-InP or -GaN Schottky barrier with		Institute of Photonics and
10.45 44:00	electrophoretically deposited Pd	Voral 7densis	Electronics, Czech
10:45-11:00	nanoparticles	Karel Zdansky	Republic
44.00 44.45	Role of Channel Pattern on the Formation of	Daniel Mara	Chimunka Hairanaita Har
11:00-11:15	Single-Dopant Transistors	Daniel Moraru	Shizuoka University, Japan