2014/10/15 Wednesday Day 1 (1/3)					
10:00 - 11:00	Benjamin Iniguez	Universitat Rovirai Virgili, Spain			
	"Universal Methods for T	'FT Modeling and Parameter Extraction"			
11:00 - 12:00	Arokia Nathan	University of Cambridge, UK			
	"Device Physics and Com	pact Models for Design of Oxide TFT Circuits"			
		$\mathbf{B}_{\text{equistration}} (09.00 - 18.00)$			
14:00 - 15:00	Didier Pribat	Sunkyunkwan University, Korea	$\mathbf{Registration} (09.00 - 10.00)$		
	"Thin Film Transistors with Carbon Nanotubes, Graphene and Semiconductor Nanowires"				
15:00 - 16:00	Yvan Bonnassieux Ecole Polytechnique, France				
	"Gaussian Approach of Charge Transportation Models"				
16:00 - 17:00	Dongming Sun	Institute of Metal Research, CAS China			
	"Carbon Nanotube Thin-f	ilm Transistors and Integrated Circuits"			

	2014/10/16 Thursday Day 2 (2/3)				
08:45 - 09:00	Opening (Nanjing Hall)				
09:00 - 10:30	Plenary Session 1(Nanjing Hall)				
09:00 - 09:30	Kaushik Roy Purdue University, USA				
	"Integrated Systems of the Future: Low-Cost & Energy-Efficient	cy using Heteroger	neous Components"		
09:30 - 10:00	Arokia Nathan University of Cambridge, UK				
	"Fast CAD of Oxide TFTs and Circuits"				
10:00 - 10:30	Weiping Liu Huada Empyrean Software Co. Ltd., China				
	"Enhancement of Design Techniques Greets China FPD Industry	/ Spring"			
	CAD-TFT		TFT Technology & Applications		
10:50 - 12:20	CAD Session 1: Design Automation (Nanjing Hall)	10:50 - 12:20	0 – 12:20 Technology Session 1: Silicon TFTs (Hall 309)		
10:50 - 11:10	Jordi Carrabina Bordoll Univ Autonoma de Barcelona, Spain	10:50 - 11:10	Xiaoyu Gao Kunshan New FPD Technology Center Co., Ltd.		
Invited	"EDA Tools & Design Kits for Building Complex Organic Circuits"	Invited	"LTPS TFT Backplane Technology for Flexible Displays"		
11:10 - 11:30	Tse Nga Ng Palo Alto Research Center, USA	11:10 - 11:25	Hang Zhang Semilab Co. Ltd.		
Invited	"Inkjet Design Rules for Printing Organic Complementary Circuits"		"Spectrum Ellipsometry for Thin-Film Characterization in Advanced TFT		
			Technologies"		
11:30 - 11:45	Jiaqing Zhao Shanghai Jiao Tong University, China	11:25 - 11:40	Juan Li Nankai University, China		
	"Analytical Yield Model for Unipolar for TFT Logic Circuits and		"H Plasma Assisted Solid Phase Crystallization of Poly Sillicon"		
	Verification with Monte Carlo Simulations"				
11:45 - 12:00	Manuel Llamas Universitat Autònoma de Barcelona, Spain	11:40 - 11:55	Dongli Zhang Soochow Univ., China		
	"A Novel Design Flow for Application Specific Printed Electronics		"Effect of Gate Oxide Layer on Metal-Induced Lateral Crystallized		
	Circuits"		Polycrystalline Silicon TFTs"		

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12:00 - 12:15	Sheng-Chin Hung National Chiao Tung University, Taiwan	11:55 – 12:10	Xiaoming Chen Sun Yat-Sen University, China	
	"Circuit Simulation-Based Multi-objective Evolutionary Algorithm for		"Fabrication of Amorphous Thin Film Transistors with High Breakdown	
	Design Optimization"		Voltage for Field Emitter Array Application"	
14:00 - 15:25	CAD Session 2: Circuit Design (1) (Nanjing Hall)	14:00 - 15:25	Technology Session 2: Oxide TFTs (1) (Hall 309)	
14:00 - 14:20	Shengdong Zhang Peking University, China	14:00 - 14:20	Hai Lu Nanjing University, China	
Invited	"Design of Low Power and Highly Reliable TFT Gate Driver on Array"	Invited	"Towards High Performance a-IGZO Thin Film Transistors and Circuits"	
14:20 - 14:40	Byong-Deok Choi Hanyang University, Korea	14:20 - 14:35	Linfeng Lan South China University of Technology, China	
Invited	"Design of Thin-Film-Transistor Gate Driver Circuits: Decoder vs. Shift		"Progress on High-Mobility and High-Stability Oxide TFTs"	
	Register"			
14:40 - 14:55	Guan-Ming Li South China University of Technology, China	14:35 - 14:50	Xu Gao Soochow University, China	
	"Low Power Gate Driver Integrated by IZO-TFTs Using DC-type Output		"Probing the Effects of Self-formed Copper Oxide Contact Interlayer in Oxide	
	Module"		Thin Film Transistors"	
14:55 - 15:10	Kun Cao BOE Technology Group Co.,Ltd, China	14:50 - 15:05	Yu-Guang Chen Sun Yat-Sen University, China	
	"Study on Integrated Gate Drive Circuit Employing IGZO TFTs"		"Effects of Si-H Bonding Intensity in Gate Insulator to Performance of a-IGZO	
			Thin Film Transistor"	
15:10 - 15:25	Chien-Hsueh Chiang, National Chiao Tung University, Taiwan	15:05 - 15:20	Honglong Ning South China University of Technology, China	
	"Design, Fabrication and Characterization of Low-Noise and High		"Correlation between Cu Source/Drain Contact and Performance of a-IGZO	
	Reliability Amorphous Silicon Gate Driver Circuit"		TFT"	
15:40 - 16:50	CAD Session 3: Device Modeling (1) (Nanjing Hall)	15:40 - 16:50	Technology Session 3: Organic TFTs (Hall 309)	
15:40 - 16:00	Ling Li Institute of Microelectronics, CAS, China	15:40 - 16:00	Xike Gao Institute of Organic Chemistry, CAS, China	
Invited	"Compact Models for Organic Thin Film Transistors"	Invited	" Core-Expanded Naphthalene Diimides-Based Organic Semiconductors for	
			High Performance n-channel TFTs: from Small Molecules to Polymers"	
			ringh renormance n-channel 11/15. nom Sman Molecules to Polymers	

16:00 - 16:20	Antonio Valletta CNR, Italy	16:00 - 16:15	Jinhua Li Hubei University, China		
Invited	"Characterization and Modeling of Organic Thin Film Transistors"		"The Applications of High-k Relaxor Ferroelectric Polymer in Low Voltage		
			Organic Thin Film Transistors"		
16:20 - 16:40	Sungsik Lee University of Cambridge, UK	16:15 - 16:30	Longzhen Qiu Hefei University of Technology, China		
Invited	"Physically-based Modeling and Parameter Extraction of Oxide TFTs"		"Self-Organization of Inkjet-Printed Semiconductor Films for Organic		
			Transistors"		
		16:30 – 16:45 Linrun Feng Shanghai Jiao Tong University, China			
			"Printable Low Voltage Organic Transistors and Circuits"		
16:45-18:15	Poster Session (Nanjing Hall)				

2014/10/17 Friday Day 3 (3/3)					
9:00 - 10:30	Plenary Session 2 (Nanjing Hall)				
09:00 - 09:30	Jin Jang Kyunghee University, Korea				
	"Oxide TFT and Circuits for Transparent Electronics"				
09:30 - 10:00	Slobodan Mijalkovic Silvaco Corp., UK				
	"Physics-Based Compact Modeling Solutions for Amorphous N	Metal-Oxide Semic	conductor TFTs"		
10:00 - 10:30	Yunqi Liu Institute of Chemistry, CAS, Chir	na			
	"High Performance and Multi-functional OTFTs"				
	CAD-TFT		Technology & Applications		
10:50 - 12:00	CAD Session 4: Device Modeling (2) (Nanjing Hall)	10:50 - 12:00	Technology Session 4: Oxide TFTs (2) (Hall 309)		
10:50 - 11:10	Dae Hwan Kim Kookmin University, Korea	10:50 - 11:10	Lei Wang Guangzhou New Vision Optoelectronic Tech. Co. Ltd.		
Invited	"Subgap Density-of-States (DOS)-based Simulation for	Invited	"Flexible Oxide TFTs for AMOLED Display Applications"		
	Instability-Aware Design of Oxide TFTs"				
11:10 - 11:30	Makoto Watanabe Japan Display Inc., Japan	11:10 - 11:30	Xifeng Li Shanghai University, China		
Invited	"Dynamic Behavioral Modelling of LTPS TFTs and Liquid Crystal	Invited	"Development of Hafnium-based Oxide Films Dielectric Films Prepared by		
	Cells for FPD devices"		Sol-gel Process"		
11:30 - 11:45	Nianduan Lu Institute of Microelectronics, CAS, China	11:30 - 11:45	Zhongfei Zou Infovision Optoelectronics, China		
	"Physical Model of Thermopower in Organic Thin-film Transistor"		"Development 5 inch FHD Narrow Border Panel using Oxide TFT"		
11:45 - 12:00	Jingwen Yin BOE Technology Group Co. Ltd., China	11:45 - 12:00	Zheng Chen Suzhou Institute of Nano-Tech and Nano-Bionics, CAS		
	"Oxide TFT Model Incorporating Hysteresis and Stress Effects"		"Low Temperature Solution Processed Indium Gallium Zinc Oxide Thin Film		
			Transistors"		

12:05 - 12:20	Siwei Xu Soochow University, China	12:00 - 12:15	Yana Gao Shanghai University, China
	"Study of Instability of a-IGZO TFTs under Negative Bias Temperature		"Solution-Processed Zirconium Oxide Gate Insulators for Top Gate and Low
	Stress"		Operating Voltage Thin Film Transistor"
14:00 - 15:30	CAD Session 5: Circuit Design (2) (Nanjing Hall)	14:00 - 15:30	Technology Session 5: New TFT Applications (Hall 309)
14:00 - 14:20	Tung Huei Ke IMEC, Belgium	14:00 - 14:20	Feng Yan Hong Kong Polytechnic University
Invited	"Design and Realization of Thin Film Complementary Circuits"	Invited	"Solution-Gate Thin Film Transistors for Biosensors"
14:20 - 14:40	Radu A. Sporea University of Surrey, UK	14:20 - 14:40	Qing Wan Nanjing University, China
Invited	"High-resilience Logic based on Poly-Si Source-Gated Transistors"	Invited	"Oxide-based Electric-Double-Layer Thin-Film Transistors for Synaptic
			Electronics"
14:40 - 14:55	Lirong Zhang New Vision Optoelec. Tech Co. Ltd., China	14:40 - 14:55	Lin Han Yale University, USA
	"A Novel IZO-TFTs Narrow Bezel Gate Driver Circuit for High		"A New SiO2-silicone Hybrid for TFT-based Flexible Electronics"
	Resolution Displays"		
14:55 - 15:10	Wenjiang Liu Shanghai Jiao Tong University, China	14:55 - 15:10	Ning Liu Ningbo Institute of Materials Technology and Engineering,
	"An AMOLED Driving Scheme with Ultra Low Supply Voltage"		CAS
			"Low-voltage Solution-processed Chitosan-Gated Flexible Oxide-based
			Electric-double-layer Transistor for Hydrogen Ion Detection"
15:10 - 15:25	Li Qiang Zhu Ningbo Institute of Materials Technology and	15:10 - 15:25	Hai Ou Sun Yat-Sen University, China
	Engineering, CAS		"Fabrication and Characterization of a Thick-Layered Etched-Contact
	"Short-Term Synaptic Plasticity and Synaptic Network Mimicked on		Amorphous Silicon Dual-Gate Photo TFT for Low-Dose X-ray Imaging"
	Oxide Electric Double Layer Thin-Film Transistors Arrays"		
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15:45-16:40	CAD session 6:	15:45-16:40	Technology Session 6: New TFT Technologies (Hall 309)

	Device Simulation & Characterization (Nanjing Hall)				
15:45 - 16:05	Tao Sun Silvaco, Singapore	15:45 - 16:05	Lei Liao Wuhan University, China		
Invited	"Study of Device Physics for Various TFT Technologies by TCAD"	Invited	"Amorphous Metal Oxide/1D Nanomaterials Hybrid Thin-Film Transistors: A		
			New Avenue to High Speed Macroelectronics"		
16:05 - 16:25	Mingxiang Wang Soochow University, China	16:05 - 16:25	Hongtao Cao Ningbo Institute of Material Technology and		
Invited	"Charge Pumping Characterization of Polycrystalline Si TFTs and Its	Invited	Engineering, CAS		
	Geometric Current Elimination"		"Conduction Conversion from p- to Ambipolar-type SnO Thin Film Transistors		
			caused by the Hole Collector at the Back Channel Interface"		
16:25 - 16:40	Wei Wang Institute of Microelectronics, CAS, China	16:25 - 16:40	Zheyuan Chen Peking University, China		
	"Simulation of Microscopic Hopping Transport in Organic Thin Film		"P-Type CuO Thin Film Transistor by DC Reactive Sputtering of Copper"		
	Transistors"				
16:40 - 16:55	Pengfei Yu Shanghai Jiao Tong University, China	16:40 - 16:55	Yang Hui Liu Ningbo Institute of Material Technology and		
	"Numerical Simulation and Analysis of Solution Processed Low		Engineering, CAS		
	Voltage OTFTs"		"Flexible Oxide TFTs Gated by Sodium Alginate Film on Paper Substrates"		
16:55 – 17:10	Luting Wang Sun Yat-sen University, China	16:55 - 17:10	Peng Xiao South China University of Technology, China		
	"A Numerical Study of an Amorphous Silicon Dual-Gate Photo		"High Performance IGZO TFTs by Employing Phenyltrieth Oxysilane SAMs"		
	Thin-Film Transistor for Low-Dose X-ray Imaging"				
17:30-18:00	Award Session				
(Nanjing Hall)	Announcement of next year's conference				
	Closing remarks				

Abstracts for Poster Presentations

NO.	Title	Topic	Author	Affiliation
P101	An Analytical Model of the Subthreshold Drain Current for Amorphous InGaZnO	Device Modeling	Lei Qiang	South China University of Technology, China
	Thin Film Transistors			
P102	Above-threshold Modeling for Amorphous Oxide Thin-Film Transistors		Chile Chen	South China University of Technology, China
	Considering Percolation Conduction Mechanisms			
P103	The Gate Leakage Current Model of Organic Thin Film Transistors		Guangwei Xu	Institute of Microelectronics, CAS, China
P104	Compact Model for Threshold Voltage of Organic Transistors		Long Wang	Institute of Microelectronics, CAS, China
P105	Parameter Extraction of Surface Potential Model for OTFT Device based on		Zhigang Li	Institute of Microelectronics, CAS, China
	Improved Differential Evolution			
P106	A Trap Density-of-States based Numerical Drain Current Model for a-IGZO TFTs		Zhiyuan Han	Soochow University, China
P107	A Simple SPICE Model Implemented in Circuit Simulator for Amorphous Metal		Guangyu Yao	Shanghai Jiao Tong University. China
	Oxide Semiconductor TFTs			
P108	Surface-Potential Based Compact Model for a-IGZO TFTs		Zhiwei Zong	Institute of Microelectronics, CAS, China
P109	Pixel Circuit Modeling and ELVDD Wire Layout for Improving the Uniformity of		Tingting Zhang	Kunshan New FPD Technology Center Co., Ltd., China
	AMOLEDs			
P201	2D Simulation Study of Polycrystalline p-type PbS Thin-Film Transistors", ,	Simulation &	Abimael Jim énez-P	Universidad Aut ónoma de Ciudad Ju árez, Mexico
		Characterization		
P202	Calibration Procedures of Leakage Currents in Amorphous Silicon Thin-Film		Nam-Kyun Tak	Silvaco Co. Ltd., Korea
	Transistors			
P203	Thermal Stability of Amorphous InGaZnO Thin Film Transistors with Different		Zhe Hu	Shanghai Jiao Tong University, China
	Oxygen-Contained Active Layers			

P204	AC/DC Mixed Degradation of a-IGZO TFTs under Negative Gate Voltage Pulses		Huaisheng Wang	Soochow University, China	
P301	A New Oxide Gate Driver Employing A Single Low Voltage Power Line	Circuit Design	Xiaofeng Song	South China University of Technology, China	
P302	Low Voltage Organic Thin-Film Transistor Sensory Transducer Circuit with a		Wei Hu	Shanghai Jiao Tong University, China	
	Calibration Approach for pH Sensing				
P303	A New LTPS Pixel Compensation Circuit for AMOLED Display		Siming Hu	Kunshan New FPD Technology Center Co., Ltd., China	
P401	GALAXY: A Multi-Circuit Simulator based on Inverse Jacobian Matrix Reuse	Design	Hung-Yi Lee	National Taiwan University, Taiwan.	
P402	Analytical Noise Margin, Power and Delay Models for Unipolar TFT Logic	Automation	Qingyu Cui	Shanghai Jiao Tong University, China	
	Circuits				
P403	A Method to Reduce Duplicated DRC Violations Reported by Hierarchal DRC		Xiaoming Liu	Huada Empyrean Software Co. Ltd., China	
	Tool in FPD Design				
P404	Fast yet Accurate Multilevel Hierarchical Isomorphism Technology for Full Panel		Zhenya Zhou	Huada Empyrean Software Co. Ltd., China	
	TFT Simulation				
P405	Fault-Tolerant Inkjet Gate Array for Application Specific Printed Electronic		M. Mashayekhi	Universitat Autànoma de Barcelona, Spain	
	Circuits				
P501	Enhancement in Electrical Performance of Amorphous In-Ga-Zn-O Thin-Film	Oxide TFT	An-Qi Hu	Beijing University of Technology, China	
	Transistors by Second Time Post-Annealing in Air				
P502	The Effects of Tantalum Incorporation on Tin-Tantalum-Oxide Thin-Film		Zhenguo Lin	South China University of Technology, China	
	Transistors				
P503	Light Stress Stability of Oxide TFT with UV Illumination		Juan Li	Nankai University, China	
P601	Fabrication and Performance of Pentacene Field-Effect Transistors with AlOx:Nd	Organic TFT	Sheng Sun	South China University of Technology, China	

	/Cytop Bilayer Dielectric		
P602	Electrical Characterization of Pentacene-based Single Molecule Layer Field Effect	Jiawei Wang	National Centre for Nanoscience and Technology, China
	Transistor",		
P603	All Solution Processed Organic Transistors with Fine Inkjet Printed Electrodes and	Wei Tang	Shanghai Jiao Tong University, China
	Patterned Channel Regions through Surface Wettability Control		
P604	High Current Polymer Transistors for Driving Inorganic Light Emitting Diodes	Xianyi Shao	Shanghai Jiao Tong University, China