

MONDAY APRIL 7 , 2014

8:00-9:00	Registration	
9:00-9:15	Welcome	Ismet I. Kaya, Sabancı University
9:15-10:00	Key Note Speech	Gildas Sorin, NovaLED GmbH

Session-1: OLED Displays and Applications

10:00-10:30	Invited Talk	Markus Burghart, Von Ardenne GmbH	Flash Mask Transfer Lithography - A novel approach for patterning organic materials in vacuum
10:30-10:50	Talk	<u>Berna Altay</u>	A Review of Head Worn Display Requirements and Technologies for Military Applications
10:50-11:20	Coffee Break		
11:20-11:50	Invited Talk	Kristiaan Neyts, Ghent University	Optical anisotropy and light outcoupling in OLEDs
11:50-12:10	Talk	<u>A. Wedel</u> , C. Ippen, Y. Kim, J. Kim, M.S. Oh, C.J. Han, T. Greco	Electroluminescent light-emitting devices with quantum dots a light emitting material
12:10-12:30	Talk	Zahra Abedi, <u>Ezeddin Mohajerani</u> , Amin Azari, Mohammad Janghour, Masoud Alahbakhshi	Maskless Patterning on OLED Display Electrodes Based on Electrical Discharge

Lunch

Session-2: Graphene and Other Novel Materials in Displays

14:00-14:30	Invited Talk	Tawfique Hasan, Cambridge University	Printable layered material inks: Opportunities and Challenges in Optoelectronics
14:30-14:50	Talk	Huzeyfe Yılmaz, Hasan Yılmaz, <u>Ali Serpengüzel</u>	Nematic Liquid Crystal coated Silicon Microsphere Resonators
14:50-15:10	Talk	<u>Felix Jaehnik</u> , Duy Vu Pham, Alexey Merkulov, Arne Hoppe, Corinna Weber, Claudia Bock, Ulrich Kunze	Temperature-dependent transfer characteristics of solution-processed indium gallium and indium yttrium mixed oxide thin-film transistors
15:10-15:30	Talk	<u>Selin Piravadılı Mucur</u> , Emine Tekin, Sait Eren San	Enhancement Effect of Nanoparticles on Organic Light Emitting Diodes
15:30-16:00	Coffee Break		
16:00-17:30	Industry Panel	Veli Ağ (Arçelik AŞ), Şener Oktik (Şişecam AŞ), Sedat Şengül (Vestel AŞ), Alper Ülkü (Aselsan AŞ), Hakan Ürey (Koç Uni.)	
17:30-19:00	Poster Session and Exhibition with Coctail		
	Poster	<u>Sule Atahan-Evrenk</u>	Theoretical characterization of tips-pentacene films for organic field-effect transistor applications
	Poster	<u>Kıvanç Karslı</u> , Alp Güçbilmez	Method for Mura Effect Level Measurement of a Display
	Poster	Kaan Aksit, <u>Mehmet Kadioglu</u> , Hakan Ürey	Head-worn Augmented Reality Projection Display
	Poster	<u>Andrej Sycev</u> , Karlheinz Blankenbach	Ambient Light Characteristics of Flexible Displays
	Poster	<u>Göksel Ortaobalı</u> , Fikret Uzgan, Hande Yücel	Indium Tin Oxide (ITO) Based Projected Capacitive (Pro-cap) Touch Screen Designe

	Poster	Levent Tüzün, <u>Metin Nil</u> , Ömer Mermer	A New Approach for Touch Screen OLED Display
	Poster	Masoud Alahbakhshi, <u>Ezeddin Mohajerani</u> , Afsoon Fallahi	Organic Light Emmiting Diode (OLED) based on graphene thin film as transparent electrode
	Poster	Mohammad Janghouri, <u>Ezeddin Mohajerani</u> , Malek Mahmoudi, Aziz Dehpor, Zahra Abedi	Easily controlled evaporation rates of Red phosphorescent OLEDs
	Poster	<u>Metin Nil</u> , Omer Mermer, Erdal Çelik	OLED-TV's with Flame Retardant Plastics
	Poster	<u>Kerem Dirik</u> , Erhan Domekel, Pinar Gulden, Gorkem Memisoglu	4K Ultra High Definition Television
	Poster	<u>Yüksel Yurtsever</u> , Gökhan Şimşek, Gökhan Yılmaz	Dual View Display
	Poster	<u>Kıvanç Karslı</u> , Alp Güçbilmez, Hasan Alımlı, Anıl İkizler, İlker Arslan	Skin Tone Standardization on Display
	Poster	İsmail Kaynar, <u>Meliha Küçükbenli</u> , Uğur Adnan Sevil	A Novel Method for The Polymerisation of Aniline: Solid Phase Polymerisation
19:00-22:00	Conference Dinner		

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Session-3: Flexible Displays and Applications

9:00-9:30	Invited Talk	Jan Vanfleteren, Ghent University	Electronic packaging and interconnection technologies for flexible and conformable displays
9:30-09:50	Talk	<u>Ozan Canbaz</u> , Burak Yoldas, Barış Ökesli, Hande Yücel	Multi-touch Infrared (IR) Touch Screen Design
09:50-10:10	Talk	<u>Patrick Schalberger</u> , Norbert Fruehauf	A Low Temperature Polysilicon TFT Process for Ultrahigh Resolution Actively Addressed Optical Gratings
10:10-10:40	Coffee Break		
10:40-11:10	Invited Talk	Matthew White, Johannes Kepler University, Linz	Ultrathin organic optoelectronics

Session-4: LCD - 3D Displays

11:10-11:40	Invited Talk	Levent Onural, Bilkent University, Ankara	An Overview of Holographic True 3D Video Display Research Using Spatial Light Modulators: Signal Processing Basics and Optical Implementations
11:40-12:00	Talk	<u>Pankaj Joshi</u> , Amir Jahanshahi, Jelle De Smet, Xiaobing Shang, Esmâ İslamaj, Dieter Cuypers, Geert Van Steenberghe, Sandra Van Vlierberghe, Peter Dubrueel, Herbert De Smet	Finite-Difference Time Domain Simulation of Light Propagation in Blue Phase Liquid Crystals

12:00-12:20	Talk	<u>Herbert De Smet</u> , Jelle De Smet, Pieter De Backer, Pankaj Joshi, Esma Islamaj, Xiaobing Shang, Dieter Cuvpers	Curved Guest-Host LCD used as a dynamic artificial iris
12:20-12:40	Talk	<u>M. Kivanc Hedili</u> , Mark Freeman, Hakan Urey	Bidirectional Augmented Reality Display using Reflective Microlens Array
12:40-14:10	Lunch		
14:10-14:30	Talk	<u>Kaan Aksit</u> , Selim Olcer and Hakan Urey	Modular Multi-projection Multi-view Autostereoscopic Display using MEMS Laser Projectors
14:50-15:10	Talk	<u>S G Mehadi Aman</u> , Marcus Herrmann, Holger Baur, Norbert Fruehauf	IGZO TFTs with Anodized Aluminum Oxide Dielectric for Flexible Electronics
15:10-15:30	Talk	<u>R. Evren Palanduz</u>	Design challenges of digital Head-Up Display systems for avionics applications
15:30-16:00	Coffee Break		
16:00-16:20	Talk	<u>Metin Nil</u> , M.Bahattin Akgül, Ömer Mermer	A Numerical Study on the Thermal Management of a LED Array
16:20-16:40	Talk	Osman Eldes, <u>Kaan Aksit</u> , Hakan Urey	Auto-Stereoscopic Projection Display using Head-Tracker and Rotating Screen
17:00			Closing of the conference