

<b>ASID' 06 Tutorials</b>			
<b>Sunday, October 8, 2006, India Habitat Centre, New Delhi</b>			
Times	Room A	Room B	Room C
09:00 - 10:00	Registration		
10:00 - 11:15	T1: Signal Processing: Fundamentals of Video by Nikhil Balram, Marvell Semiconductors, USA	T2: PDP - I : Harm Tolner, Consultant, The Netherlands	T3: AM-LCD Science and Technology - Basics: Kalluri R. Sarma, Honeywell International, USA
11:15 - 11:45	<b>TEA</b>		
11:45 - 13:00	T1: Signal Processing: Fundamentals of Video by Nikhil Balram, Marvell Semiconductors, USA	T2: PDP - II : Harm Tolner, Consultant, The Netherlands	T3: AM-LCD Science & Technology -Advances: Kalluri R. Sarma, Honeywell International, USA
13:00 - 14:00	<b>LUNCH</b>		
14:00 - 15:15	T4: OLED Fundamentals: YN Mohapatra, IIT Kanpur	T5: Advances in CRTs: GVD Prasad, Samtel Industries, New Delhi	T6: Spectroscopy Ellipsometry - Fundamentals: R. Benferhat, Jobin-Yvon Horiba, France
15:15 - 15:45	<b>TEA</b>		
15:45 - 17:00	T4: OLED for Displays: YN Mohapatra, IIT Kanpur	T5: Advances in CRTs: GVD Prasad, Samtel Industries, New Delhi	T6: Ellipsometry - application to displays: R. Benferhat, Jobin-Yvon Horiba, France
17:00 - 19:00	Registration		
19:00 - 20:30	<b>Welcome Reception (Delhi-O-Delhi, terrace India Habitat Centre)</b>		

<b>ASID' 06 - Symposium</b>			
<b>Monday , October 9, 2006, India Habitat Centre, New Delhi</b>			
08:15 - 09:00	Registration		
09:00 - 09:45	Inaugural - Function (Stein Auditorium)		
09:45 - 10:30	M0 K-1 Fan Luo -World is Flat: the Taiwan experience		
10:30 - 11:00	<b>TEA</b>		
	Stein	Theatre	Gulmohar
	<b>MA1 Display Manufacturing I</b>	<b>MB1 Luminescent Materials</b>	<b>MC1- LCD - Cells &amp; Materials</b>
11:00- 11:15	MA1 1-I M. Schwambera	MB1 1-I Ravi P.Rao	MC1 1-C D-J. Li
11:15 - 11:30			MC1 2-C P. Juneja
11:30 - 11:45	MA1 2-I Myung S Jhon	MB1 2-C M. Kottaisamy	MC1 3-C L-F Chen
11:45 - 12:00		MB1 3-C S.P. Khatkar	MC1 4-C K.K. Raina
12:00 - 12:15	MA1 3-I Ben Ighani	MB1 4-C Harishchander	
12:15 - 12:30		MB1 5-C Somanathan	
12:30 - 14:00	<b>LUNCH</b>		
	<b>MA2 AM Technology I</b>	<b>MB2 Display Manufacturing II</b>	<b>MC2 OLED I</b>
14:00 - 14:15	MA2 1-I David N. Liu	MB2 1-I Tak Tanaka	MC2 1-I S. Krishnamurthy
14:15 - 14:30			
14:30 - 14:45	MA2 2-I D.P. Gosain	MB2 2-I D. Corr	MC2 2-I K.L. Narasimhan
14:45 - 15:00			
15:00 - 15:15	MA2 3-C H Chelawat	MB2 3-C V.A. Tsvetkov	MC2 3-C R.S. Anand
15:15 - 15:30			MC2 4-C Kamalasanan
15:30 - 16:00	<b>TEA</b>		
	<b>MA3 AM Technology II</b>	<b>MB3 CRT</b>	<b>MC3 OLED II</b>
16:00 - 16:15	MA3 1-I M-K Han	MB3 1-I Takeo Fujimura	MC3 1-I M. Rajeswaran
16:15 - 16:30			
16:30 - 16:45	MA3 2-C A Gaillard	MB3 2-C Satish Madrekar	MC3 2-I M.Katiyar
16:45 - 17:00	MA3 3-C S G Park	MB3 3-C Jiby Joseph	
17:00 - 17:15	MA3 4-C C-Y Kim	MB3 4-C L M Rangarajan	MC3 3-I Sun Xiaowei
17:15 - 17:30			
19:30 - 21:30	<b>Banquet Dinner Hosted by Videocon (India Habitat Centre)</b>		

<b>Tuesday , October 10, 2006, India Habitat Centre, New Delhi</b>			
09:00 - 09:45	T0 K2: G. Rajeswaran "OLED Displays: Status of Technology and Business"		
09:45 – 10:30	T0 K3: T. Shinoda "Progress in Plasma Technologies for Extra-Large Screen Displays"		
10:30 – 11:00	<b>TEA</b>		
	Stein	Theatre	Gulmohar
	<b>TA1 PDP I</b>	<b>TB1 Display Electronics I</b>	<b>TC1 Backlight I</b>
11:00- 11:15	TA1 1-I S. Mikoshiba	TB1 1-I T. N. Ruckmangathan	TC1 1-I M. Anandan
11:15 – 11:30			
11:30 - 11:45	TA1 2-I Y. Amano	TB1 2-C Panikumar	TC1 2-I S. Zhou
11:45 - 12:00		TB1 3-C M-D Chun	
12:00 - 12:15	TA1 3-C T. Koike	TB1 4-C Y-S Son	
12:15 - 12:30	TA1 4-C Y. Jiang	TB1 5-C C-F Mai	
12:30 - 14:00	<b>LUNCH</b>		
	<b>TA2 PDP II</b>	<b>TB2 Display Electronics II</b>	<b>TC2 Backlight II</b>
14:00 - 14:15	TA2 1-I Jih Wa Lee	TB2 1-I Nikhil Balram	TC2 1-I S-K Lim
14:15 - 14:30			
14:30 - 14:45	TA2 2-I H Tolner	TB2 2-C N Asakawa	TC2 2-C Y. Xue
14:45 - 15:00		TB2 3-C S Srinivasan	TC2 3-C H-F Chen
15:00 - 15:15	TA2 3-C Qing Li	TB2 4-C Sumana Gupta	
15:15 - 15:30		TB2 5-C Prashant Panigrahi	
15:30 - 16:00	<b>TEA</b>		
16:00 - 17:30	<b>TP1 - Poster Session - I (LCD materials and Technology, OLED, PLED, Organic Display Materials, Inorganic Luminescent Materials - Phosphors, Backlights)</b>		
19:30-20:30	<b>Indian Classical Dance - Stein Auditorium</b>		
20:30-22:00	<b>ASID Dinner - India Habitat Centre</b>		

<b>Wednesday , October 11, 2006, India Habitat Centre, New Delhi</b>			
09:00 - 09:45	W0 K-4: Sweta Dash "Catching the Liquid Crystal Wave: Trends in Flat Panel Display Market"		
09:45 – 10:30	W0 K-5: Rama Shukla "Mobility and Computing: the Era of Personal Internet"		
10:30 – 11:00	<b>TEA</b>		
	Stein	Theatre	Gulmohar
	<b>WA1 Flexible Displays I</b>	<b>WB1 Visualisation and Image Processing</b>	<b>WC1 PDP III</b>
11:00- 11:15	WA1 1-I S Wagner	WB1 1-I Jayanthi Sivaswami	WC1 1-I C. Wedding
11:15 – 11:30			
11:30 - 11:45	WA1 2-I J-I Han	WB1 2-C PK Kalra	WC1 2-C Sudhir Kumar
11:45 - 12:00		WB1 3-C C-Y Liu	WC1 3-C G. Shanmugavelayutham
12:00 - 12:15	WA1 3-C W Mphepo	WB1 4-C K-C Lee	WC1 3-C Y. Tu
12:15 - 12:30			WC1 5-C Manabu Ishimoto
12:30 - 14:00	<b>LUNCH</b>		
	<b>WA2 Flexible Displays II</b>	<b>WB2 Display Scenario in India</b>	<b>WC2 Emerging Technologies</b>
14:00 - 14:15	WA2 1-I Kalluri R. Sarma	WB2 1-I Rajesh Kakkar	WC2 1-I M Liu
14:15 - 14:30			
14:30 - 14:45	WA2 2-I A. Subrahmanyam	WB2 2-I Sunil Mehta	WC2 2-C B.S. Satyanarayana
14:45 - 15:00			WC2 3-C W Mphepo
15:00 - 15:15	WA2 3-C W-Y Cheng		WC2 4-C Phil Surman
15:15 - 15:30	WA2 4-C W. Lee		WC2 5-C Harsh
15:30 - 16:00	<b>TEA</b>		
16:00 - 17:30	<b>WP2 - Poster Session - II (PDP, Flexible Substrates, TFTs, OTFTs, FED, Display Electronics, Visualization and Signal Processing)</b>		
17:30 - 18:00	<b>Valedictory Session</b>		

<b>Thursday , October 12, 2006</b>	
06:00-22:00	Informal Discussions, Networking, Tour to Taj Mahal, Agra (It is a full day tour, on payment basis)

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Monday October 9, 2006

9:00 – 9:45 Inaugural Function  
9:45-10:30 Inaugural Keynote Address: **The World Is Flat : The Taiwan Experiences** by Fang-Chen Luo, *AU Optronics, Taiwan*

**Stein Auditorium**

**MA1 – Display Manufacturing I**

- MA1 1-I **Optimizing OVPD Technology Towards Lowest OLED Manufacturing Cost**  
11:00-11:30 Markus Schwambara  
*Organic Semiconductor Technologies, Germany*
- MA1 2-I **The Introduction of OLED Manufacturing System for Mass Production**  
11:30-12:00 Myung S. Jhon  
*Doosan DND Co., LTD, Korea*
- MA1 3-I **Flat Panel – Roadmap to the Future**  
12:00 - 12:30 Ben Ighani  
*CH2M HILL IDC, USA*

**MA2 – AM Technology –I**

- MA2 1-I **Development of Novel LTPS Technology**  
14:00 - 14:30 David N. Liu, Jia-Xing Lin, Yu-Cheng Chen, I-Hsuan Peng, Hung-Tse Chen, and Chin-Lin Chen  
*Industrial Technology Research Institute, Taiwan, R.O.C.*
- MA2 2-I **Low Temperature poly-Si TFTs for Mobile Display Applications**  
14:30-15:00 Dharam Pal Gosain  
*Sony Corporation, Japan*
- MA2 3-C **Low Temperature Aluminum Induced Crystallization Process to Get Poly-Silicon Films for Thin Film Transistor Application in Active Matrix Displays**  
15:00 - 15:15 Hitesh Chelawat, Alka Kumbhar and R.O. Dusane  
*Indian Institute of Technology, Bombay, India*

**Theatre**

**MB1 – Luminescent Materials**

- MB1 1-I **Recent Developments in Display Phosphors**  
11:00 - 11:30 Ravi P Rao  
*Authentix Inc., USA*
- MB1 2-C **Mn Activated Y2O3 and Y2O3-ZnO Composite Yellow Emitting Thin Film Phosphor for Thick Ceramic Thin Film Electro-Luminescence (TCTFEL) Display Devices – Preparation and Characterization**  
11:30 - 11:45 M. Kottaisamy  
*Indian Institute of Technology Madras, India*
- MB1 3-C **Luminescent Properties of Y2O3:Eu3+ Nanocrystals**  
11:45 - 12:00 S. P. Khatkar, V.B. Taxaka, Sang-Do Han, D. Kumara, R.Kumar  
*Maharshi Dayanand University,, India*  
*Korea Institute of Energy Research (KIER), S.Korea*
- MB1 4-C **A Review on Synthesis of Nanophosphors – Future Luminescent Materials**  
12:00 - 12:15 Harish Chander  
*National Physical Laboratory, India*
- MB1 5-C **Polythiophenes Containg Mesogenic Sidechains: Materials Towards LED Backlights for Displays**  
12:15 - 12:30 N.Somanathan, S. Radhakrishnan, P.R.Dhanya, T.Narashimhaswamy  
*Central leather Research Institute, India*

**MB2 – Display Manufacturing II**

- MB2 1-I **Large Area Processing PECVD System Lowering Industry Cost and Facilitating the Growth of LCD Television.**  
14:00 - 14:30 Tak Tanaka  
*AKT, an Applied materials Co, USA*

**Gulmohar**

**MC1 – LCD – Cells and Materials**

- MC1 1-C **Deformation Analysis on the Photospacers for TFT LCD**  
11:00-11:15 De-Jiun Li, Chun-Ming Huang and Kuo-Ching Chou  
*Sanho Tsun, Lungtan Shiang, Taiwan*
- MC1 2-C **A Simple Technique for Measurement of the Voltage Dependent Capacitance of Pixels in Liquid Crystal Displays**  
11:15-11:30 T. N. Ruckmongathan, Prabhjot Juneja and A. R. Shashidhara  
*Raman Research Inistitute, India*
- MC1 3-C **Double Sheets Hybrid Compensation for VA LCDs**  
11:30 - 11:45 Li-Fan Chen, Ming-Shan Chung, and Liang-Hao Kang  
*Chungwa Picture Tubes, Taiwan*
- MC1 4-C **Ferroelectric Liquid Crystal Displays: Physics and Applications.**  
11:45-12:00 K K Raina  
*Thapar Institute of Engineering & Technology, India*

**MC2 – OLED – I**

- MC2 1-I **Recent Advances in OLED Materials and Formulations: Challenges and Opportunities**  
14:00 - 14:30 Sundaram Krishnamurthy  
*Eastman Kodak Company, USA*
- MC2 2-I **Photoconductivity in Organic Semiconductors**  
14:30-15:00 K.L. Narasimhan  
*Tata Institute of Fundamental Research Colaba, India*

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Monday October 9, 2006

**Stein**

**MA3 – AM Technology II**

- MA3 1-I **AM Backplane for AMOLED**  
16:00 - 16:30 Min-Koo Han  
*Seoul National University, Korea*
- MA3 2-C **New Active Pixel Design using  $\mu$ -Si TFT Technology for AM-OLED Backplane**  
16:30 - 16:45 A. Gaillard, R. Rogel, S. Crand, T. Mohammed-Brahim, P. Le Roy, C. Prat  
*Groupe Microélectronique-IETR Université, France & Thomson R&D France, 1 avenue Belle Fontaine, France*
- MA3 3-C **Temperature Dependence on the Hysteresis of a-Si:H TFT and Elimination of the Hysteresis Effect on OLED Current for AMOLED Display**  
16:45 - 17:00 Sang-Geun Park, Jae-Hoon Lee, Won-Kyu Lee, and Min-Koo Han  
*Seoul National University, Korea*
- MA3 4-C **Advanced Low-Temperature Poly-Si Crystallization for AMOLED Displays**  
17:00 - 17:15 Chang-Yeon Kim, Tae-Joon Ahn, Young-Ju Kim, Kwang-Sik Hwang, Hong-Koo Lee, Sang-Hoon Jung, Dae-Hyun Nam, Chang-Dong Kim, In-Jae Chung, Min-Koo Han  
*Seoul National Univ., Korea L.G.Philips LCD R&D Center,*

**Theatre**

- MB2 2-I **NanoChromics<sup>TM</sup> – True Paper-White Displays, Technology and Commercialisation**  
14:30-15:00 David Corr  
*NTERA Limited, Ireland*
- MB2 3-C **DLCDs and FrenLCDs : the Way to Decrease in the Cost Price of LCDs Manufacture**  
15:00 - 15:15 Valentin A. Tsvetkov  
*Moscow State Academy of Instrument, Russia*

**MB3 – CRT**

- MB3 1-I **A Small Proposal for the Panel Inner Curvature for Flat-Surface Color Tubes**  
16:00 - 16:30 Takoe Fujimura  
*Samtel Color Limited, India*
- MB3 2-C **Drop Test Analysis of Shadow Mask and Frame Assembly of CRT using Finite Element Method**  
16:30 - 16:45 Satish Madrekar  
*Samtel Color Limited, India*
- MB3 3-C **Statistical Model for Predicting Picture Discoloration: An Approach to Robust Design**  
16:45 - 17:00 Jiby J Joseph and Sumit Talukdar  
*Samtel Color Limited, India*
- MB3 4-C  
17:00 - 17:15 L.M. Rangarajan

**Gulmohar**

- MC2 3-C **A Study of the Dynamics of Defect Generation in Polyfluorenes and its Possible use in the Production of Stable White Polymer Light Emitting Diodes (WPLEDs)**  
15:00 - 15:15 RS Anand, Anjali Giri, Nishant Gupta and Ramesh Prasad  
*Indian Institute of Technology Kanpur, India*
- MC2 4-C **Fabrication of White Organic Light-Emitting Devices with a Double-Doped Emissive Layer**  
15:15-15:30 Ritu Srivastava, Gayatri Chauhan, Kanchan Saxena, S. S. Bawa and M.N. Kamalasanan  
*Polymeric and Soft Material Division, OLED Lab National Physical Laboratory, India*

**MC3 – OLED –II**

- MC3 1-I **Crystallography Assisted OLED Materials Development**  
16:00 - 16:30 Manju Rajeswaran  
*Eastman Kodak Company, USA*
- MC3 2-I **Organic Ultraviolet Light Emitting Diodes**  
16:30-17:00 Monica Katiyar  
*IIT Kanpur, India*
- MC3 3-I **Improved OLED with Tunable IV**  
17:00-17:30 Sun Xiaowei  
*Nanyang Technological University, SG*

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**Tuesday, October 10, 2006**

9:00-9:45 Keynote - 2 : **OLED Displays: Status of Technology and Business** by G. Rajeswaran, *Kodak Japan Ltd., Japan*  
9:45-10:30 Keynote - 3 : **Progress in Plasma Technologies for Extra-Large Screen Displays** by Tsutae Shinoda, *Fujitsu Laboratories Ltd, Japan*

**Stein Auditorium  
TA1 – PDP I**

- TA1 1-I **Low Voltage Driving of High Xe Pressure PDPs**  
11:00-11:30 S. Mikoshiba  
*Univ. of Electro-Communications, Japan*
- TA1 2-I **Possibility of New PDP for less cost and less power**  
11:30-12:00 Yoshifumi AMANO
- TA1 3-C **Low-Luminance Square-Pulse Reset Discharge for High-Contrast Drive of PDPs**  
12:00-12:15 T. Koike, D. H. Kim, S. Sakai, T. Shiga, K. Igarashi, and S. Mikoshiba  
*Univ. of Electro-Communications, Japan Italy*
- TA1 4-C **Characteristics of Xe Content in Shadow Mask PDP Based on Macro-Cell Studies**  
12:15-12:30 Youyan Jiang Yan Tu, Wanwan He, Xiong Zhang  
*Southeast University, China*

**TA2 – PDP II**

- TA2 1-I **Fundamental Concepts in Searching for a Better Protective Layer in PDP**  
14:00 - 14:30 Han Kook Kim, Hun Young Moon, and Jihwa Lee  
*Seoul National University, Korea*
- TA2 2-I **Electron Exo-emission Effects in the PDP Protective Layer**  
14:30-15:00 H.Tolner  
*South East University, China*

**Theatre  
TB1- Display Electronics I**

- TB1 1-I **Techniques for Reducing the Hardware Complexity and the Power Consumption of Drive Electronics**  
11:00-11:30 T. N. Ruckmongathan  
*Raman Research Institute, India*
- TB1 2-C **Low Voltage Driving of STN LCDs with Low Hardware Complexity for Portable Applications**  
11:30-11:45 K G Panikumar and T N Ruckmongathan  
*QualCore Logic LTD, India & Raman Research Institute, India*
- TB1 3-C **Bi-directional Integrated a-Si Gate Driver Circuit For LCD Panel with RGBW Quad Subpixels**  
11:45-12:00 Min Doo Chun, Soo Young Yoon, Yong Ho Jang, Kwon Shik Park, Hae Yeol Kim, Binn Kim, Hyung Nyuck Cho, Seung Chan Choi, Tae Woong Moon, Nam Wook Cho, Sung Hak Jo, Choong Yong Sohn, Chang-Dong Kim and In-Jae Chung  
*LG.Philips, Korea*
- TB1 4-C **One-chip Driver for 262K-Color QCIF+ Passive-Matrix OLED Displays**  
12:00-12:15 Young-Suk Son, Yong-Sung Ahn, Hee-Sop Song, Jae-Kue Sung, Hyung-Seog Oh, Hak-Su Kim\* and Dae-Keun Han  
*Silicon Works Co., Ltd., Korea \*LG Electronics Inc., Korea*
- TB1 5-C **The Optimal Driving Voltage for Liquid Crystal Display**  
12:15-12:30 Chen-Fu Mai, Ying-Hsiang Tseng, and Chun-HSiu Liu  
*TV Design Division, Taiwan Taiwan*

**Gulmohar  
TC1 – Backlight I**

- TC1 1-I **LED Backlight: Enhancement of Picture Quality on LCD Screen**  
11:00-11:30 Munisamy Anandan  
*LLC, USA*
- TC1 2-I **New LED Lightsources for Display Technology**  
11:30-12:00 Stanley Zhou  
*Osram, China*

**TC2 – Backlight II**

- TC2 1-I **LCD Backlights and Light Sources**  
14:00-14:30 Sungkyoo Lim  
*Dankook University, Korea*
- TC2 2-C **A Novel Electrode Structure for Plasma Flat Backlights in LCD**  
14:30-14:45 Ying Xue , Qing Li , Yajie Wu  
*Southeast University, China*
- TC2 3-C **Backlight Local Dimming Algorithm for High Contrast LCD-TV**  
14:45-15:00 Hanfeng Chen, Junho Sung, Yungjun Park and Changwan Hong  
*Samsung Electronics Co. Ltd., Korea*

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**Stein**

TA2 3-C      **Research on Characteristics of MgO with  
Adding Hydrogen in SMPDP**  
15:00 - 15:15    Qing Li, Zhaowen Fan, Yaosheng Zheng,  
Qingyuan Lin\*, Baoping Wang  
*Southeast University, China*  
\* *Nanjing Huaxian High Technology Co., Ltd,  
China*

**Theatre**

**TB2 – Display Electronics II**

TB2 1-I      **Fundamentals of Video Signal Processing**  
14:00-14:30    Nikhil Balram  
*Marvell Semiconductors, USA*

TB2 2-C      **Improvement of Contrast Ratio in QR-LPD by  
Four-Voltage Level Driving**  
14:30-14:45    Michihiro Asakawa, Takuro Nakashima, Reiji  
Hattori  
*Kyushu University, Japan*

TB2 3-C      **Adaptive Contrast Enhancement Using Local  
Region Stretching**  
14:45-15:00    S. Srinivasan and N. Balram  
*Marvell India Pvt. Ltd., India*

TB2 4-C      **An Efficient Color Image Retrieval System  
Using 2-D Representation of Color**  
15:00-15:15    Shashi Kant and Sumana Gupta  
*Indian Institute of Technology Kanpur, India*

TB2 5-C      **Non-Linear, Non-Uniform Quantization in the  
Wavelet Domain for Effective Image  
Compression**  
15:15-15:30    Shashank Raval, Amit Verma, Prasanta K.  
Panigrahi  
*Physical Research laboratory, India &  
Nirma University, India*

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**Tuesday, October 10, 2006**

**Poster Session (LCD Materials & Technology, OLED, PLED, Organic Display Materials, Inorganic Luminescent Materials – Phosphors, Backlights)**

TP 1.01 16:00-17:30	<b>Guest Host Polymer Dispersed Liquid Crystal Display Device: Role of Dichroic Dye</b> Praveen Malik, Pankaj Kumar and K.K. Raina <i>Thapar Institute of Engineering and Technology, India</i>	16:00-17:30	Kuei-Wei Huang, Yen- Ju Chen, Yi-Cheng Tsai and Kuo-Ching Chou <i>TV Design Division, Taiwan</i>	TP 2.06 16:00-17:30	<b>Investigation of LiF Thin Film for Organic Light Emitting Diodes by Atomic Force Microscopy</b> Girija. S. Samal, Dinesh Deva and Deepak <i>Indian Institute of Technology Kanpur, India</i>
TP 1.02 16:00-17:30	<b>Study of the Morphologies and Polarization Switching in Polymer Dispersed Ferroelectric Liquid Crystal Composite Films and Display Devices</b> Pankaj Kumar, K.K. Raina and Praveen Malik <i>Thapar Institute of Engineering and Technology, India &amp; C.C.S. University, India</i>	TP 1.09 16:00-17:30	<b>Effect of Polarizer with Various Haze Value on the Optical Properties of TFT-LCD</b> Shing Lei and Chia-Ling Chuang <i>TV Design Division, Taiwan</i>	TP 3.01 16:00-17:30	<b>Synthesis and Characterization of Polyfluorene Derivatives for Blue Light Emitting Diodes</b> Virendra kumar Rai, Ritu Shrivastawa, Kanchan Saxena, Pankaj kumar, Gyatri Chauhan and M.N. Kamalasanan <i>National Physical Laboratory, India</i>
TP 1.03 16:00-17:30	<b>The Optical Characteristics of Liquid Crystal Display with Different Space Width</b> Chen-Fu Mai, Tzu-Chin Lin, Kuei-Wei Huang and Chun-HSiu Liu <i>TFT Business Unit, Taiwan</i>	TP 2.01 16:00-17:30	<b>Optical Interferometric Characterization of Organic Light Emitting Diodes</b> Kanchan Saxena, Dalip Singh Mehta, Ritu Srivastava, and M. N. Kamalasanan <i>Polymeric and Soft Materials Section, National Physical Laboratory, and Laser Applications and Holography Lab. Indian Institute of Technology Delhi, India</i>	TP 3.02 16:00-17:30	<b>Hole Conduction Through Poly (2,7-(9,9-Di-n-Octylfluorene))</b> Pankaj Kumar, Aparna Mishra, M.N. Kamalasanan, Ritu Srivastava, S. C. Jain <i>National Physical Laboratory, India</i>
TP 1.04 16:00-17:30	<b>Numerical Analysis on the Dynamical Behavior of the TN and OCB Modes Including Flow</b> Hoon Kim, Hun-Bae Kim, Dong-Ho Lee and Woo-Sang Park <i>Inha University, Korea</i>	TP 2.02 16:00-17:30	<b>Light Out-Coupling Strategies in Organic Light Emitting Devices</b> Dalip Singh Mehta <sup>1</sup> , and Kanchan Saxena <sup>2</sup> <sup>1</sup> <i>Laser Applications and Holography Lab., Instrument Design Development Centre Indian Institute of Technology Delhi, India</i> <sup>2</sup> <i>Polymeric and Soft Materials Section, National Physical Laboratory, India</i>	TP 3.03 16:00-17:30	<b>Characteristics of MEH-PPV Thin Films on ITO Electrode for Organic Light Emitting Diodes</b> V. Sivaji Reddy, K. Das, A. Dhar* and S.K. Ray <i>Indian Institute of Technology, Kharagpur, India</i>
TP 1.05 16:00-17:30	<b>FrenLCDs – Displays on Basis Fresnel Lenses</b> Tsvetkov V. A. <i>Moscow State Academy of Instrument, Russia</i>	TP 2.03 16:00-17:30	<b>Theoretical Approach to the Kinetics of Transient Behaviour of Organic Light Emitting Diodes</b> Sanjay Tiwari <i>Pt. Ravishankar shukla University, Raipur, India</i>	TP 3.04 16:00-17:30	<b>Electrical Characterization of Solution Processed MEHPPV/CNPPV Hetrostructure</b> D.C. Tripathi <sup>1,2</sup> , D.K.Sinha <sup>1,2</sup> , C.K.Suman <sup>2*</sup> and Y.N.Mohapatra. <sup>1,2</sup> <i>Indian Institute of Technology Kanpur, India</i>
TP 1.06 16:00-17:30	<b>Liquid Crystal Emulsions: New System for Display and Non-Display Applications.</b> Pasechnik S.V., Maksimochkin G.I., Kravchuk A.S., Lukin A.V. <i>Moscow State Academy of Instrument, Russia</i>	TP 2.04 16:00-17:30	<b>Optimization of Oxygen Plasma Process Parameters for Organic Light Emitting Diode Displays</b> K. N. Narayanan Unni, Girija Sankar Samal, Sudesh Bhagwat, Asha Awasti <i>Indian Institute of Technology Kanpur, India</i>	TP 3.05 16:00-17:30	<b>Device Degradation Studies of MEHPPV Based Polymer Light Emitting Diodes</b> Abhishek Raj, Ashutosh Bindal, Ranbir Singh, Abhishek Sharma, Waseem Akhtar, Monica Katiyar <i>Indian Institute of Technology Kanpur, India</i>
TP 1.07 16:00-17:30	<b>Birefringent Color Generation by TN LC Cell</b> S. Valyukh, P. Tytarenkoa, V. Chigrinov <i>Swedish LCD Center, Sweden</i> a) <i>Institute of Semiconductor Physics,, Ukraine Hong Kong</i>	TP 2.05 16:00-17:30	<b>Optical Properties of Electroluminescent Zinc(II) Bis(8-Hydroxyquinoline) Thin Films Prepared at Different Deposition Rates</b> Debjit Datta, Vibha Tripathi, C. K. Suman, Satyendra Kumar <i>Indian Institute of Technology Kanpur, India</i>	TP 3.06 16:00-17:30	<b>A Study of Cathodes in polyfluorene polymer light emitting diode</b> Ashish Sood, Asha Awasthi and J Narain <i>SCDT IIT Kanpur, India</i>
TP 1.08	<b>Multi-Cell Gap Design for TFT LCD</b>				

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**Tuesday, October 10, 2006**

**Poster Session (LCD Materials & Technology, OLED, PLED, Organic Display Materials, Inorganic Luminescent Materials – Phosphors, Backlights)**

TP 3.07 16:00-17:30	<b>Development of Patterning Technique Using a Stamp Method and Evaluation of Characteristics for Polymer OLED</b> Woo-Jin Cho, Do-Eok Kim, Sung-Youp Lee, Hyeong-Rag Lee, Dae-Hyuk Kwon and Shin-Won Kang <i>Kyungpook National University, Korea</i>	D.B. Science College, Gondia, India & Guru Nanak College of Science, Ballarpur, India	TP 5.02 16:00-17:30	<b>Synthesis and photoluminescence of ZnO Nanophosphors</b> Prinsa Verma, Sarika Pandey, Avinash C.Pandey <i>University of Allahabad, India</i>	
TP 4.01 16:00-17:30	<b>Effect of Swift Heavy Ion Irradiation on Tris-(8 Hydroxyquinoline) Aluminum Thin Films</b> K.Thangarajua, P.Amaladassb, V.Narayananc, A.K. Mohanakrishnanb, and J. Kumara <i>Anna University, India &amp; University of Madras, India</i>	TP 4.06 16:00-17:30	<b>Red Emitting Phosphorescent Ir (III) Quinoline Complex</b> H.K. Dahulea , R.B. Pode, B.M.Bahirwar, G.D.Zaded H.D.Junejae <i>Shivaji Science College, India R.T.M. Nagpur University,India</i>	TP 5.03 16:00-17:30	<b>Synthesis of Highly Luminescent Manganese Doped ZnS Nanophosphor</b> Sarika Pandey, P.Verma, Avinash C.Pandey <i>University of Allahabad, India</i>
TP 4.02 16:00-17:30	<b>Broad-Band Visible Emission from UV-Exposed TPD Solution</b> M. P. Joshi, S Raj Mohan, S. K. Tiwari, T. S. Dhami, T. Shripathy, A. Deshpande, M. K. Singh, H. Ghosh <i>Raja Ramanna Centre for Advanced Technolgy, India &amp; UGC-DAE Consortium for Scientific Research, Indore, India</i>	TP 4.07 16:00-17:30	<b>Electroluminescent Polymers for Blue Light Emission</b> Pranjol J. Sarmah, Parameswar K. Iyer <i>Indian Institute of Technology-Guwahati, India</i>	TP 5.04 16:00-17:30	<b>Synthesis and Characterization of Optical Properties of Europium (III) Complex with 4, 4', 4''-Trifluoro-1-Phenyl-1,3-Butanedione and 1,10-Phenanthroline</b> Anita Sharma, Devender Singh and Ishwar Singh <i>M.D. University, India</i>
TP 4.03 16:00-17:30	<b>Synthesis and Characterization of Soluble <math>\pi</math>-Conjugated Polymers for OLED's Application</b> Raman Saini, Anita Meena, Bhakti Khitoliya, Parveen Saini, Ritu Srivastav, Kanchan Saxena, M.N.Kamalasannan, D.Kumar2 and S.K. Dhawan <i>National Physical Laboratory, India &amp; Delhi College of Engineering, India</i>	TP 4.08 16:00-17:30	<b>Photoluminescence Quantum Efficiency of Ultraviolet Emitting Polymeric Semiconductors</b> Waseem Akhtar, Ranbir Singh, Asha Sharma, Monica Katiyar, Shu Seki <i>Indian Institute of Technology Kanpur, India</i>	TP 5.05 16:00-17:30	<b>Development of Phosphor for Applications in Solid State Lighting</b> Santa Chawla, Nitin Kumar and Harish Chander <i>National Physical Laboratory, India</i>
TP 4.04 16:00-17:30	<b>Optical Study of Blue Emitting Methoxy Substituted 2, 4-Diphenyl Quinoline</b> B.M.Bahirwar, J.G.Mahakhode, G.D.Zade, R.B.Pode <i>Guru Nanak College of Science, India &amp; D.B.Science College,India</i>	TP 4.09 16:00-17:30	<b>Photodegradation in Polysilanes</b> Asha Sharma, Monica Katiyar, and Deepak <i>Indian Institute of Technology Kanpur, India</i>	TP 5.06 16:00-17:30	<b>Development of Nitride Phosphors for Phosphor Converted White LED</b> Nitin Kumar, Santa Chawla and Harish Chander <i>National Physical Laboratory, India</i>
TP 4.05 16:00-17:30	<b>Tunable Photoluminescence from tris(8-Hydroxyquinoline) Aluminum (Alq3)</b> J.G.Mahakhode, B.M.Bahirwar, S.J.Dhoble and S.V.Moharil	TP 4.10 16:00-17:30	<b>Study of Optical and Electrical Properties of Imidazolin-5-One Molecules for Opto-Electronic Applications</b> Vibhor Jain, Gitalee Bhattacharjya, Arun Tej, CK Suman, R Gurunath, B. Mazhari , SSK Iyer <i>Indian Institute of Technology Kanpur, India</i>	TP 5.07 16:00-17:30	<b>Synthesis and Luminescent Properties of MAI2O4:Tb (M=Ca or Sr) Nanocrystals</b> Dinesh Kumara , Sang Do Hanb, V.B. Taxaka, S.P. Khatkar <i>Maharshi Dayanand University,, India &amp; Korea Institute of Energy Research (KIER),S.Korea</i>
		TP 4.11 16:00-17:30	<b>Study of Optical Properties and Light Induced Effects on Inq3 Thin Film Used in Organic Light Emitting Devices</b> Vivek Kumar Shukla and Satyendra Kumar <i>Indian Institute of Technology Kanpur, India</i>	TP 5.08 16:00-17:30	<b>Luminescence from Tin Oxide Doped Silicon Nanoparticles Grown by Off Axis Pulsed Laser Deposition</b> J.R Rani and V.P Mahadevan Pillai <i>University of Kerala, India</i>
		TP 5.01 16:00-17:30	<b>Photoluminescence Characteristics of Bi<sup>3+</sup>-Sensitized YVO<sub>4</sub>:Eu<sup>3+</sup> Phosphor</b> Jong Hyuk Kang, Dong Chin Lee, Sun Jin Yun3, and Duk Young Jeon <i>Korea Advanced Institute of Science and Technology, Korea &amp; Samsung electronics Co., Ltd, Korea</i>		



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TP 5.09 16:00-17:30	<b>Synthesis and Optical Characterization of Eu-Doped Y2O3 and [(Y,Gd)2O3] Phosphor by Improved Method</b> Devender Singh, Anita Sharma and Ishwar Singh <i>M.D. University, India</i>	<i>Indian Institute of Technology Madras, India</i>	TP 5.23 16:00-17:30	<b>Blue Thin film Phosphors Prepared by Pulsed Laser Deposition</b> Cho Sang Ho, Kulshreshtha Chandramouli, Jung Yu Sun, Kwak Jong Ho , Sohn Kee-Sun <i>Sunchon National University, Korea</i>	
TP 5.10 16:00-17:30	<b>Synthesis and Fluorescence Properties of LnPO4: RE3+(Ln = Y, La &amp; Gd; RE = Eu, Tb &amp; Ce) Powder Phosphors for Display Applications</b> U. Rambabua, N. R. Munirathnama, T. L. Prakasha and S. Buddhudub <i>Centre for Materials for Electronics Technology (C-MET), India &amp; Sri Venkateswara University,India</i>	TP 5.16 16:00-17:30	<b>Near UV Excitable Y2-x-yGdySiO5:Cex White Light Emitting Phosphors and their Blends for White LED and Displays</b> P. Thiyagarajan, M. Kottaisamy and M.S. Ramachandra Rao <i>Indian Institute of Technology Madras, India</i>	TP 5.24 16:00-17:30	<b>Deep Red Color Emission in Sm2+ doped SrB4O7 Phosphor</b> Kulshreshtha Chandramouli, Cho Sang Ho, Jung, Yu Sun and Sohn Kee- Sun <i>Sunchon National University, Korea</i>
TP 5.11 16:00-17:30	<b>Di-Band and Tri-Band Phosphor Blends for Near UV and Blue LED Converted White Light Emitting Diodes</b> M.Kottaisamy , P.Thiyagarajan and M.S.Ramachnadra Rao <i>Material Science Research Center, IITM, India &amp; Dept of Physics, IITM, India</i>	TP 5.17 16:00-17:30	<b>Novel and Efficient Blue Emitting Phosphors for Photoluminescent Liquid Crystal Display Application</b> S.K.Omanwara, P. D. Belsarea, V. B. Bhatkara and S. V. Moharilb <i>Sant Gadge Baba Amravati University, &amp; RTM Nagpur University,India</i>	TP 5.25 16:00-17:30	<b>Hydration Induced Coupling of Excitonic State and Phonon in Y2O3: Negative Effect on the Luminescence Efficiency of Nanosize Y2O3: Eu+3 Plasma Display Phosphor</b> A.Nayak, A.Ghosh, R.Debnath <i>C.G.C.R.Institute, India</i>
TP 5.12 16:00-17:30	<b>Re-dispersible Li+ and Eu3+ co-doped CdO nanowires: Luminescence studies</b> N. S. Gajbhiye, R. S. Ningthoujam, Asar Ahmed, D. K. Panda, S. S. Umre, and S. J. Sharma <i>Indian Institute of Technology, Kanpur &amp; Bhabha Atomic Research Centre India</i>	TP 5.18 16:00-17:30	<b>Nanophosphors for Display Applications</b> K. Manzoor, S.R. Vadera and N. Kumar <i>Defence Laboratory, India</i>	TP 6.01 16:00-17:30	<b>A Flat Plasma Light Source for Wall Lights and Backlight to Notebook Computers</b> Kamal Kant Kaushik, Vikesh Gaur, Avniash Sharma, L.M.Rangarajan and Ashok Kumar Chauhan <i>Amity University, India</i>
TP 5.13 16:00-17:30	<b>Effect of Post-annealing on Structural and Photoluminescence Properties of SrS: Dy, Cl Thin Films</b> E.I Anila and M.K Jayaraj <i>Cochin University, India</i>	TP 5.19 16:00-17:30	<b>Synthesis and Characterization Eu doped YAG Nanopowder.</b> Shuchi Tripathi, P.K.Singh and A.C. Pandey <i>University of Allahabad, India</i>	TP 6.02 16:00-17:30	<b>Novel Diffuser for Direct-Type LED BacklightSystem</b> Chih-Chiang Chao, Yu-Tsan Tseng, Po-Ling Shiao, Mei-Chun Lai, Yu-Tang Li, Cheng-Lin Yang <i>Industrial Technology Research Institute, Taiwan</i>
TP 5.14 16:00-17:30	<b>Photoluminescent Studies in Co-Sputtered of ZnGa2O4:Mn2+ Phosphor Thin Films</b> G.Anoop, K. Mini Krishna and M.K. Jayaraj* <i>Cochin University, India</i>	TP 5.20 16:00-17:30	<b>Mn2+ doped ZnO Nanophosphor synthesized by low pressure solvothermal process.</b> Prashant K Sharma, Raghvendra S Yadav and Avinash C Pandey <i>University of Allahabad, India</i>	TP 7.01 16:00-17:30	<b>Nano- and Micro-indentation of Photo-Patterned Spacers</b> Jong Hyun Park, Sung-Hyun Kim, Chang Ho Cho, Dongkung Oh, Sangkyu Kwak and Keon Woo Lee <i>LG Chem Ltd, Korea</i>
TP 5.15 16:00-17:30	<b>A Novel Blue Phosphor for Solid State Lighting</b> Sivakumar Vaidyanathan and Varadaraju Upadhyayula	TP 5.21 16:00-17:30	<b>Temperature Dependant Synthesis of CdS Nanocrystals using Pepsin</b> Ashish K. Keshari, Prashant K. Singh and Avinash C. Pandey <i>University of Allahabad, India</i>	TP 7.02 16:00-17:30	<b>Low Temperature Crystallization of Indium-Tin-Oxide</b> Kuo-Lung Fang, Han-Tu Lin, Feng-Yuan Gan, and Hsin-Chih Chiu <i>AU Optronics Corporation, Taiwan</i>
		TP 5.22 16:00-17:30	<b>Low Voltage Cathodoluminescence of Zn Co-Doped RGB Phosphors for Field Emission Displays (FEDs) Applications</b> M.Kottaisamy and Y.Nakanishi <i>Indian Institute of Technology Madras, India &amp; Shizuoka University,Japan</i>		

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**Wednesday, October 11, 2006, Stein Auditorium**

9:00-9:45 Keynote – 4: **Catching the Liquid Crystal Wave: Trends in Flat Panel Display Market** by Sweta Dash, *iSupply Corporation, USA*

9:45 – 10:30 Keynote – 5: **Mobility and Computing: the Era of Personal Internet** by Rama Shukla, *Intel Corporation, USA*

**Stein Auditorium**

**WA1 – Flexible Displays I**

WA1 1-I **FlexibleThin-Film Transistor Backplanes.**  
11:00-11:30 Sigurd Wagner  
*Princeton University, USA*

WA1 2-I **Low Temperature Polysilicon Thin-Film Transistors on Flexible Substrates**  
11:30-12:00 Jeong-In Han† and Yong-Hoon Kim  
*Korea Electronics Technology Institute, Korea*

WA1 3-C **QR-LP Based Flexible Switch/Transistor Design**  
12:00-12:15 Wallen Mphopo  
*Chalmers University, Sweden*

**WA2 – Flexible Displays II**

WA2 1-I **Flexible Active Matrix Organic Light Emitting Diode (AMOLED) Displays**  
14:00 - 14:30 Kalluri R. Sarma  
*Honeywell International, USA*

WA2 2-I **Transparent Conducting Oxide Substrates for Flat Panel Displays**  
14:30-15:00 A. Subrahmanyam  
*IIT Madras, India*

WA2 3-C **A High Accuracy Plastic Color Filter Development by Using Time-Recovery and Stress-Free Methods**  
15:00 - 15:15 W. Y. Cheng, K. L. Lo, Y. A. Sha, P. J. Su, C. H. Hsieh, K. H. Chang, C. C. Hsiao, J.W. Shiu, S. Y. Fuh, Y. C. Liao, J. C. Yang, D. W. Lee, K. C. Lee, and Y. P. Chang  
*Industrial Technology Research Institute, Taiwan*

**Theatre**

**WB1 – Visualization and Image Processing**

WB1 1-I **Hexagonal lattices for displays**  
11:00-11:30 Jayanthi Sivaswami  
*IIT, India*

WB1 2-C **Separation of Image Mixture using Complex ICA**  
11:30-11:45 Deepak Kumar Singh, Shipra Tripathi, P K Kalra  
*Indian Institute of Technology Kanpur, India*

WB1 3-C **A New Method for Off-Axis Image Color Shift Evaluation**  
11:45-12:00 Chen-Yu Liu, Li-Hsiang Chang  
*Chung-Hwa Picture Tubes, Ltd, Taiwan*

WB1 4-C **The Study of Suitable Conditions for Human Reading**  
12:00-12:15 K. C. Lee , P. J. Su, C. H. Hsieh, K. H. Chang, C. C. Hsiao, S. Y. Fuh, W. Y. Cheng, Y. C. Liao, J. C. Yang, K. L. Lo, D. W. Lee, Y. P. Chang, Y. A. Sha, and J.W. Shiu  
*Industrial Technology Research Institute, Taiwan*

**WB2 – Display Scenario in India**

WB2 1-I **Future of CPT TVs in India**  
14:00-14:30 Rajesh Kakkar, *Samtel Industries, India*

WB2 2-I **The market trends for flat panel displays in India**  
14:30-15:00 S. Mehta, *Videocon Industries, India*

WB3 2-I To be announced  
15:00-15:30

**Gulmohar**

**WC1 – PDP III**

WC1 1-I **Overview of Flexible Plasma Display Technology**  
11:00-11:30 **Carol A. Wedding**, Oliver M. Strbik III, Edwin F. Peters, Jeff W. Guy, Daniel K. Wedding  
*Imaging Systems Technology, USA*

WC1 2-C **Spatio-Temporal Behavior of Metastable Atoms and Exo-electron Emission and Their Influence to Addressing Operation in PDPs**  
11:30-11:45 Shashank sharma, Abhinava Kumar and Sudheer Kumar  
*Samtel Color Limited, India*

WC1 3-C **Development of Uniform Line-Shaped Plasma under Long Wavelength Evanescent Microwave (LWEM) for PDP Processing**  
11:45-12:00 G. Shanmugavelayutham, T. Fukasawa, H. Kajiyama and T. Shinoda  
*University of Tokyo and ADTEC Plasma Technology, Japan*

WC1 4-C **Discharge Characteristics of Shadow Mask PDP**  
12:00-12:15 Yan Tu, Youyan Jiang , Lanlan Yang , Xiong Zhang , Yaosheng Zheng, Liu Lu , Hanchun Yin , Baoping Wang  
*Southeast University, China*

WC1 5-C **Ion-Induced Electron Emission from MgO by Exciton Decay into Vacuum**  
12:15-12:30 M. Ishimotoa , P.Riccardi , R.A. Baragiola and T.Shinoda  
*Fujitsu Laboratories Ltd, Japan and University of Virginia,U. S. A.*

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WA2 4-C **Fast-Switching Stratified Polymer-Stabilized  
Liquid Crystal for Flexible Display  
Applications**  
15:15-15:30 Wei Lee and Yi-Sheng Lu  
*Chung Yuan Christian University, Taiwan*

**Theatre**

**Gulmohar**

WC2 1-I **A Novel Method to Improve the CNT-FED  
Manufacturing**  
14:00-14:30 C.N. Mo, M.C. Chiang, M. Liu, C.Y. Hsu  
*Central Research Institute, Taiwan*

WC2 2-C **Electron Emission from a Novel Multilayered,  
Low Temperature Process Grown  
Nanocarbon Based Cold Cathodes and it's  
Possible Emission Mechanism**  
14:30-14:45 B.S.Satyanarayana.  
*Manipal Institute of Technology, India*

WC2 3-C **Hybrid Projection QR-LPD 3D Display Design**  
14:45-15:00 Wallen Mphepo  
*Chalmers University, Sweden*

WC2 4-C **Head Tracked Multi-user 3D Display using a  
RGB Laser Illumination Source**  
15:00-15-15 Phil Surman<sup>1</sup> , Ian Sexton<sup>1</sup> ,Klaus Hopf<sup>2</sup> ,  
Edward Buckley<sup>3</sup> ,Wing Kai Lee<sup>1</sup> ,Richard  
Bates<sup>1</sup>  
*1De Montfort University, UK*  
*2Heinrich Hertz Institute,UK*  
*UK*

WC2 5-C **Optimization of CNT Tips for Field Emission  
Display**  
15:15-15:30 Preeti Verma, Seema Gautam, P. Kumar, P.  
Goel, P.Chaturvedi, S.Pal, J. S. Rawat, Harsh,  
H.P.Vyas, P. Ghosal, P. K. Bhatnagar  
*Solid State Physics Laborator Delhi, India*

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**Poster Session (PDP, Flexible Substrates, TFTs, OTFTs, FED, Display Electronics, Visualization and Image Processing, Emerging Technologies)**

WP 1.01 16:00-17:30	<b>The New Reset Waveform with Negative Ramp Pulse in AC PDP</b> Hyerim Choi, Sunwook Jung , Myunghwan Oh and Jungwon Kang <i>Dankook university, Korea</i>	WP 2.04 16:00-17:30	<b>Development of Secondary Electron Emission Tool for the Measurement of <math>\eta</math> coefficients of MgO and CVD Carbon Films</b> Sanjay K. Ram, Durgesh Rai, Satyendra Kumar and Sudheer Kumar <i>IIT Kanpur, India &amp; Samtel color Limited, India</i>		<i>Groupe Microélectronique-IETR Université &amp; Thomson R&amp;D, France</i>
WP 1.02 16:00-17:30	<b>A Study on the Improvement of Address Discharge Time Lag in AC PDP at Low Temperature</b> Ji-Yong Kim, Dong-Hun Kim, Tae-Yong Song, Sun Kim, Seok-Hyun Lee and Heung-Sik Tae <i>Inha University, Korea &amp; Kyungpook National University, Korea</i>	WP 2.05 16:00-17:30	<b>Temperature Dependence of Discharge Characteristics Caused by MgO Film in AC-Plasma Display Panels</b> Jong-Bin Kim, Young-Woo Seo, Gi-Weon Seo, Byung-Ho Ha, Jae-Hyun Park, Sung-Bum Kim <i>LG electronics, Korea</i>	WP 4.02 16:00-17:30	<b>Improving the Performance of Poly-Silicon Thin Film Transistor for Switching and Driver Circuitry</b> Amit Sehgal, Tina Mangla, Mridula Gupta, R. S. Gupta <i>Hansraj College, University of Delhi &amp; University of Delhi South Campus, India</i>
WP 1.03 16:00-17:30	<b>Optimization of Geometries in PDP Cells by Optical Simulation</b> Sunwook jung, Sanghum Eorn, Myunghwan Oh and Jungwon Kang <i>Dankook university, Korea</i>	WP 3.01 16:00-17:30	<b>Transparent Flexible Plastic Substrates for Organic Light-Emitting Devices</b> Suman Anand, Ritu Srivastava and M. N. Kamalasanan <i>National Physical Laboratory, India</i>	WP 4.03 16:00-17:30	<b>Impact Ionization Model For Kink Effect in Poly-Si TFTs For Display Devices</b> Navneet Gupta and B.P.Tyagi <i>Birla Institute of Technology and Science, India D.B.S (PG) College, Dehra Dun</i>
WP 1.04 16:00-17:30	<b>Discharging Characteristics of the AC-PDP with MgO Protective Layer Evaporated using Oxygen IBAD Method</b> Sang Jik Kwon, Zhoo Hui Li, Yong Jae Kim, Kwang Ho Kim, Hyung Seok Han and *Jong Sung Kim <i>Kyungwon University, Korea</i>	WP 3.02 16:00-17:30	<b>Indium Tin Oxide (ITO) Films on Flexible Substrates for Organic Light Emitting Diodes</b> Vandana Singh, C.K. Suman and Satyendra Kumar <i>Indian Institute of Technology Kanpur, India</i>	WP 4.04 16:00-17:30	<b>Impact of Kink Effect on Performance of Poly-Silicon Based TFT Differential Amplifier</b> Rajani Bisht, Baquer Mazhari <i>HBTI Kanpur &amp; I I T Kanpur, India</i>
WP 2.01 16:00-17:30	<b>On the Preparation and Characteristics of Hydration Free Magnesium Oxide Films for Plasma Display Panels</b> Ashok Kumar, Jitendra Kumar <i>Indian Institute of Technology Kanpur, India</i>	WP 3.03 16:00-17:30	<b>Active Layer Patterned Organic Thin-Film Transistors on Plastic Substrate</b> Seong Deok Ahn, Seung Youl Kang, Ji Young Oh, In Kyu You, Gi Heon Kim, Kyu Ha Baek, Chul Am Kim and Kyung Soo Suh <i>Electronics and Telecommunications Research Instiute, Korea</i>	WP 4.05 16:00-17:30	<b>Simulation Study of a New Amorphous Silicon Thin Film Transistor with Tetrahedral Amorphous Carbon as Gate Dielectric.</b> B.S.Satyanarayana, Shounak De, R.Bhattacharya & O.S.Panwar. <i>Manipal Institute of Technology, India &amp; National Physical Laboratory, India</i>
WP 2.02 16:00-17:30	<b>An Assessment of Various Techniques for the Deposition of MgO Films for Plasma Display Panels</b> P.N. Dixit, Sushil Kumar, C.M.S. Rauthan and R. Bhattacharyya <i>National Physical Laboratory, India</i>	WP 3.04 16:00-17:30	<b>Flexible Organic Light Emitting Diodes</b> B.V. Mahesh, Ranbir Singh, Abhishek Sharma, Waseem Akhtar, Monica Katiyar <i>Indian Institute of Technology Kanpur, India</i>	WP 4.06 16:00-17:30	<b>A New Model for Kink-Effect in Poly-Silicon Thin-Film Transistors</b> Dewill Chung, Byong-Deok Choi, Sang-Gyu Park <i>Hanyang University, Korea</i>
WP 2.03 16:00-17:30	<b>Diamond like Carbon as an Alternative Material to MgO for Plasma Display Panel</b> Sushil Kumar, C.M.S. Rauthan, P.N. Dixit, and R. Bhattacharyya <i>National Physical Laboratory, India</i>	WP 4.01 16:00-17:30	<b>Poly-Si TFT Pixel Circuits using Solid-Phase Crystallized Silicon for AM-OLED Backplane</b> A. Gaillard, R. Rogel, S. Crand, T. Mohammed-Brahim, P.Le Roy, C.Prat	WP 4.07 16:00-17:30	<b>Stability of a-Si:H TFT After High Temperature Annealing</b> Sung Jin Park, Yong Tae Sul, and Byung Seong Bae* Young Seoung Kim, Jae Won Choi, and Jin Jang Joon-Hoo Choi, Joon Chul Goh, and Kyuha Chung <i>Hoseo University, Korea</i>

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**Poster Session (PDP, Flexible Substrates, TFTs, OTFTs, FED, Display Electronics, Visualization and Image Processing, Emerging Technologies)**

WP 4.08 16:00-17:30	<b>Development of Vcom Model in TFT-LCD Panels for SPICE Simulation</b> Sung Ha Kim, Hyunwoo Park, Soo Hwan Kim, Young Kwon Jo and Suki Kim and Richard I. McCartney <i>Korea University, Korea National Semiconductor, USA</i>	16:00-17:30	Yong-Hoon Kim, Jae-Hoon Lee, Min-Koo Han and Jeong-In Han <i>Information Display Research Center, Korea Seoul National University, Korea</i>		<i>Manipal Institute of Technology, India</i>
WP 5.01 16:00-17:30	<b>Impact Of Organic Film Thickness On Unity Gain Frequency Of Top Contact Organic Thin Film Transistors</b> M. N. Islam and B. Mazhari <i>Indian Institute of Technology Kanpur, India</i>	WP 5.07 16:00-17:30	<b>Organic Thin Film Transistor RC Oscillator</b> Seung Kyum Kim, Jin Sol Suk, Seung hyun Cho, Sun Bum Kwon, and Byung Seong Bae, Jung Heon Lee, Bon Ung Ku, and Sung Hyun Kim <i>Hoseo University, Korea &amp; Kyunghee University, Korea</i>	WP 6.03 16:00-17:30	<b>A Comparative Study of Field Emission from Diverse Nanocarbon Based Electron Emitters and a Possible Correlation With the Raman Response</b> B.S.Satyanarayana, Niranjana S, Shounak De, R.Bhattacharya & O.S.Panwar <i>Manipal Institute of Technology, India &amp; National Physical Laboratory, India</i>
WP 5.02 16:00-17:30	<b>Effect of Processing Parameters on Poly(9,9-Dioctylfluorene-Co-Bithiophene) Based Organic Field-Effect Transistors</b> Amit Jain, Monica Katiyar, Parmeswar K. Iyer <i>Indian Institute of Technology Kanpur, India</i>	WP 5.08 16:00-17:30	<b>Contact Resistance in Pentacene Based Organic Thin Film Transistors</b> Jong Mook Kang, Jaehoon Park, Hyunsuck Kim, Kang Wook Bong and Jong Sun Choi. <i>Hongik University, Korea</i>	WP 6.04 16:00-17:30	<b>Developmental Techniques of FED Device for Avionics</b> L M. Rangarajan, Sanjeev Kumar, Permander Malik, Navit Rana, Kamal Kant Kaushik, Piyush Dua, Ashok K Chauhan <i>Amity University, India</i>
WP 5.03 16:00-17:30	<b>Optimization of Oxide Processing and Surface Treatment to Improve Pentacene Based Organic Field-Effect Transistors</b> I.V. Kameshwar Rao, Monica Katiyar <i>Indian Institute of Technology Kanpur, India</i>	WP 5.09 16:00-17:30	<b>Enhanced Saturation Behavior of Organic Thin-Film Transistors with the Synthesized Photo-Reactive Polymeric Gate Insulator</b> K.W. Bong, J. Park, H. Kim, J. M. Kang, H.M. Kim, M. H. Yi and J. S. Choi <i>Hongik University, Korea</i>	WP 7.01 16:00-17:30	<b>Dot Inversion Implementation Using Bootstrapping in LCoS with Frame Buffer Pixels</b> Yulong Song, Hongqing Cui, Zhihua Ling <i>Chinese Academy of Sciences, China &amp; Graduate School of Chinese Academy of Sciences, China</i>
WP 5.04 16:00-17:30	<b>Mobility Estimation Incorporating the Effects of gate Voltage Dependent Contact Resistance and Mobility in Top Contact Organic Thin Film Transistors</b> Dipti Gupta, Monica Katiyar*, Deepak <i>Indian Institute of Technology Kanpur, India</i>	WP 5.10 16:00-17:30	<b>Characteristic Improvements for Bottom Contact OTFTs with self-Assembled Monolayer Formed by ALD</b> H. Kim, J. Park, K. W. Bong, J. M. Kang, H. M. Kim and J. S. Choi <i>Hongik University, Korea</i>	WP 7.02 16:00-17:30	<b>A Modeling of the Threshold Voltage Shift Dependency on the Drain Bias in Amorphous Silicon Thin-Film Transistors in Active Matrix Organic light-Emitting Diode Displays</b> Koichi Miwa, Shinya Ono, Yuichi Maekawa, and Takatoshi Tsujimura <i>Kodak Japan Ltd., Japan</i>
WP 5.05 16:00-17:30	<b>Growth and Characterization of a Novel Organic TFT Using a Carbon Based Dielectric</b> B.S.Satyanarayana, Soni Chandrasekhar, Rajitha.K.V, Shounak De, A.V.Adhikari & Udaykumar <i>Manipal Institute of Technology, India National Institute of Technology, India</i>	WP 6.01 16:00-17:30	<b>Silicon Incorporated Diamond Like Carbon Films for Field Emission Display</b> S. F. Ahmeda, S. Dasa, M.K. Mitrab and K. K. Chattopadhyay <i>Thin Film &amp; Nanoscience Laboratory Jadavpur University, India, &amp; Nanoscience and Technology center Jadavpur University, India</i>	WP 7.03 16:00-17:30	<b>A New Feedback, Constant Current, and Constant Drain Bias test for Amorphous-Silicon Backplane of Active-Matrix Organic Light-Emitting Diode Displays</b> Yuichi Maekawa, Koichi Miwa, Shinya Ono, and Takatoshi Tsujimura <i>Kodak Japan Ltd., Japan</i>
WP 5.06 16:00-17:30	<b>Electrical Properties of 6,13-Bis (Triisopropylsilylethynyl) Pentacene Organic Thin-Film Transistors by Ink-Jet Method</b>	WP 6.02 16:00-17:30	<b>Dependence of the Electron Emission Behaviour on Oxide Layer Thickness in the Case of Alligned Carbon Nanotubes Grown on Patterned Oxide Layers.</b> B.S.Satyanarayana, & Niranjana S		

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WP 7.04	<b>Shared Pixel Compensation Circuit for AM-OLED Displays</b> Shinya Ono, Koichi Miwa, Yuichi Maekawa, Takatoshi Tsujimura <i>Kodak Japan Ltd., Japan</i>	16:00-17:30	Varsha H. Chandrashekar and K.S. Venkatesh <i>Indian Institute of Technology Kanpur, India</i>	WP 8.04	<b>Study of a Novel Nanocarbon Based Thin Film Transistors</b> B.S.Satyanarayana, Shounak De, R.Bhattacharya <i>Manipal Institute of Technology, India &amp; National Physical Laboratory, India</i>	
16:00-17:30		WP 7.12	<b>Image Compression Using SVM Learning on Principal Components</b> Arvind Tolambiya, Ashutosh Dwivedi, P.K. Kalra <i>Indian Institute of Technology Kanpur, India</i>	16:00-17:30		
WP 7.05	<b>Novel a-Si:H TFT VTH Compensation Pixel Circuit for AMOLED</b> Hee-Sun Shin†, Jae-Hoon Lee, Joong-Hyun Park, Sung-Hwan Choi and Min-Koo Han <i>Seoul National University, Korea</i>	16:00-17:30	WP 7.13	<b>Color Image Compression Using 2-Dimensional Principal Component Analysis (2DPCA)</b> Ashutosh Dwivedi, Arvind Tolambiya, Prabhanjan Kandula, N. Subhash Chandra Bose, Ashiwani Kumar, P K Kalra <i>Indian Institute of Technology Kanpur, India</i>	WP 8.05	<b>Vapor Deposition of Tin Doped Aluminium Coating on Glass Substrate for Cathode Material in Light Emitting Diode Applications</b> Arjun G Nambodiri and Akhil Kumar Sen <i>Birla Institute of Technology, India</i>
16:00-17:30		16:00-17:30	WP 7.14	<b>A Novel Hybrid Image Compression Technique: Wavelet-MFOCPN</b> Ashutosh Dwivedi, N. Subhash Chandra Bose, Ashiwani Kumar, Prabhanjan Kandula, Deepak Mishra, P K Kalra <i>Indian Institute of Technology Kanpur, India</i>	16:00-17:30	
WP 7.06	<b>A Low Power Wide Range CMOS Poly-Si Level Shifter for Active Matrix Display</b> Sang-Myeon Han, Woo-Jin Nam, Hyun-Sang Park, Sun-Jae Kim and Min-Koo Han <i>Seoul National University, Korea</i>	16:00-17:30	WP 7.15	<b>Texture Analysis and Synthesis Using Angular Wavelet Frames</b> K.M. Mohan, R.V.Rao, Sumana Gupta <i>Indian Institute of Technology Kanpur, India</i>	WP 8.06	<b>Lowering of Operation Voltage of AC Type Inorganic Electroluminescence Devices by Including ZnO Nanorods</b> Tomomasa Satoh, Hiroshi Miyashita, Akiko Nishiyama and Takashi Hirate <i>Kanagawa University, Japan</i>
16:00-17:30		16:00-17:30	WP 8.01	<b>Nanocrystalline ZnO by Cathodic Electrochemical Deposition</b> Santosh Singh, M. Arora and M.C. Bansal <i>National Physical Laboratory, India &amp; MMH College, India</i>	16:00-17:30	
WP 7.07	<b>The Relationship Between Blinking Rate and Response Time</b> Chen-Fu Mai, and Chun-HSiu Liu <i>Manipal Institute of Technology, Taiwan</i>	16:00-17:30	WP 8.02	<b>Complementary Electrochromic Display System Based on Prussian Blue Thin Film</b> M.S. Roy, A.K. Gautam, Yojana Janu, N. Prasad & Manish Kumar <i>Defence Laboratory, India</i>	WP 8.07	<b>Effects of Bonding Material and Surface Treatment on Properties of Carbon Nanotube Cathode for Field Emission Display</b> Y. J. An, J. E. Lee, K. S. Kim, G. E. Cheon, J. H. Chang, H. C. Lee and Y. R. Cho <i>Pusan National University,, Korea &amp; Korea Maritime University, ,Korea</i>
16:00-17:30		16:00-17:30	WP 8.03	<b>Formation of the Cs-Sb- Si Ternary Interface Studied in-Situ X-ray Photoelectron Spectroscopy</b> Govind Praveen Kumar and S.M. Shivaprasad <i>National Physical Laboratory, India</i>	16:00-17:30	
WP 7.08	<b>A PWM Data Driver with Different RGB Driving Voltages for Bistable Displays</b> C. W. Hsiao, W. J. Chang, C. H. Liou, M. D. Chen <i>Industrial Technology Research Institute, Taiwan</i>	16:00-17:30		WP 8.08	<b>PiMoD Projector-Projection Screen Display System</b> Wallen Mphepo <i>Chalmers University, Sweden</i>	
16:00-17:30						
WP 7.09	<b>A Robust Algorithm for Automatic Novel View Synthesis/Stereo Compression With Efficient Handling of Occlusions and Illumination Effects</b> M.P. Sriram and K.S. Venkatesh <i>Indian Institute of Technology Kanpur, India</i>	16:00-17:30				
16:00-17:30						
WP 7.10	<b>Copying Accuracy and Threshold Voltage Sensitivity in Current Driven Active Matrix Organic Light Emitting Display (AMOLED)</b> Baquer Mazhari, D.K.Gupta <i>Indian Institute of Technology Kanpur, India</i>	16:00-17:30				
16:00-17:30						
WP 7.11	<b>Action Energy Images for Reliable Human Action Recognition</b>	16:00-17:30				

**Valedictory Session  
Stein Auditorium**

17:30-17:35	Summary of the ASID'06 – Satyendra Kumar
17:35 – 17:45	SID India Chapter Honours Dr. B.M. Arora Dr. M. Satyam Dr. M. Anandan Dr. T.N. Ruckmongathan
17:45-17:50	Best Poster Awards
17:50-18:00	Closing Address by the Chief Guest
18:00	Handing over to the Chair – ASID'07