

17th International Conference on Thin Films (ICTF-17)

Best Presentation Awards

Springer BEST PPOSTER PRESENTATION AWARD

(Certificate, memento and e-book coupon worth Euro 150)

- (1) P22 : Optical characterisation of the Si(553)–Au surface functionalized with hydrogen and small organic molecules.
S. Chandola, E. Speiser, J.Plaickner, S. Suchkova, N.Esser and Conor Hogan
Leibniz-institut fur analytische Wissenschaften-ISAS-e.V. Berlin, Germany.
- (2) P40 : Ion assisted deposition of silica –Titania multilayer optical filter for beam steering of Nd ; YAG Laser
M.Kumar, N.Kumar, A.L.Sharma and V.Karar
CSIR-CSIO Chandigarh, India
- (3) P81 : Investigation of structural and chemical network of CVD GROWN Zinc oxide nanowires.
Rabina Bhujel, Umesh Rizal and Bibhu P.Swain
Nano processing laboratory, Sikkim Manipal Institute of Technology , Majitar, Rangpo, India
- (4) P111 : Realization of crystalline SiGe alloy thin film using Aluminium Induced crystallization.
T.Tah, Ch.Kishan Singh, K.K.Madapu and S.Ilango
Surface and nanoscience division, HBNI, IGCAR, Kalpakkam. INDIA
- (5) P131 : Study of domain propagation in patterned permalloy thin films in Neel and Bloch Regime.
Ekta Bhatia, Zaineab Hussain, V.Raghuvendra Reddy and Kartik Senapati
National Institute of Science Education and Research ,HBNI Jatni, INDIA
- (6) P179 : Self powered infra-red sensor based on SnSe₂ / PEDOT : PSS hetero-structure.
Emma Panzi Mukhokosi, S.B. Krupanidhi and K.K.Nanda
Indian Institute of Science, Bangalore, India
- (7) P205 : Influence of sulfurization time on two step grown SnS thin films.
M. Gurubhaskar, Narayana thota, M.Raghavender, G.Hema Chandra, P.Prathap and Y.P.Venkata, Subbaiah
Dep of physics, Yogi Vermana University, Kadapa, Andhra Pradesh, India

- (8) P221 : Poly (3,4-ethylenedioxythiophene) (PEDOT) and its derivatives by an unusual polymerization, a solution processable hole transport layer for excitonic solar cell.
Sonal Gupta, Preeti Yadav, Sweety Rathi and Asit Patra
AcSIR, CSIR-NPL New Delhi, India
- (9) P260 : Hydrothermally synthesised 1D ZnO and their NO₂ gas sensing performance.
P.R.Godse, r.d.Sakhare, D.K.Bandgar, A.T.Mane, M.A.Chougule, S.B.Kulkarni and V.B.Patil
School of Physical Science , Solapur University, Solapur, India
- (10) P278 : Dynamic response of thermoplasmonic marangoni flow around a water vapour microbubble.
N.Takashima, K.Namura and M.Suzuki
Dept of Micro Engineering, Kyoto University Kyoto, Japan

Springer BEST PAPER PRESENTATION AWARD

(Certificate, memento and e-book coupon worth Euro 150)

- (1) O1 : Defect depth profiling in Cu/Nb bilayer using slow positron beam & X-ray reflectivity.
Priya Maheshwari, Debarati Battacharya, S. Mukherjee and P.K.Pujari
BARC Mumbai, India
- (2) O10 : Sub nanocrystalline silicon thin films.
Mansi Sharma Deepika Chaudhari, Sucheta Juneja, S.Sudhakar and Sushil Kumar
CSIR- NPL New Delhi, India
- (3) O12 : Growth of C₉xCoO₂ thin films deposited by RF –Magnetron reactive co-sputtering.
B. Paul and Eklund
Thin film Physics division, dept of Physics, Chemistry and Biology (IFM), Linkoping University, Sweden.
- (4) O32 : Dye Diazonium modified multiwalled carbon nanotubes : light harvesters for elastomeric optothermal actuators.
Asma Bensghaier, Klaudia Ferro, Maria omastova, Mohamed Beji and Mohamed M.Chenimi
LABCOSEM, Campus Universitaire, Manar II, Tunis, Tunisia.
- (5) O43 : Thin films with switchable conductivity about the production of vanadium oxide thin films applying CVD Technique.
Anita Pilipodi Best, A.Meling, B.Krueger, T.Schacter, V.Tsionsky, S.Cheskis, A.M.Wodtke and I. Rahinov
School of chemistry, Tel Aviv University Israel.

- (6) O67 : Dislocation mediated growth of GaN nanoflowers by PAMBE.
Neha Aggarwal, Shibin Krishna, K.K.Maurya, M.Kaur and Govind Gupta
CSIR- NPL New Delhi, India
- (7) O74 : Influence of ambient oxidation on electronic structure of epitaxial GaN films.
Monu Mishra and Govind Gupta
CSIR- NPL New Delhi, India
- (8) O88 : Organically capped & solution route processed thin films of CLGS₂Se – A potential multicomponent thin film chalcogenide.
Parul Chawala, N.Vijayan and S.N.sharma
CSIR- NPL New Delhi, India
- (9) O89 : Inetration of humidity & polar molecules with mixed cation perovskite for high efficiency solar cells : Material & device study.
Akash Singh, A.S.Chouhan and S. Awasthi
PDPM, IIT, Jabalpur, India
- (10) O99-P2 : Development of an in-situ maneuverable optics window with high vacuum boundary.
S.P.Dey, S.Sethi, M.K.Verma and J.Mukherjee
BARC Mumbai, India

IVS BEST POSTER PRESENTATION AWARD

(Certificate, memento and Life membership of Indian Vacuum Society worth Rs. 2500/-)

- (1)P 72 : Pattern formation of block copolymers on nanostructured surface.
K.Terada and H. Suzuki and K.Namura
Dept of Micro Engineering, Kyoto University, JAPAN
- (2)P112 : Plasmon induced enhancement in third order optical nonlinearities of Au- CdS Hybrid film.
Kaweri Gambhir, Parag Sharma, Alka Sharma, Sudhir Husale and Ranjana Mehrotra
AcSIR, CSIR-NPL, New Delhi, India
- (3)P149 : Optimization of growth parameters for LSMO/STO/YBCO Heterostructure.
Yogesh Kumar, Harish Bhatt, C. L.Prajapat, Surendra Singh and S.Basu
Bhabha atomic Research centre, Mumbai, India
- (4)P 170 : Vertically aligned core – shell p-i-n silicon nanowire array and N-doped grapheme

- quantum dots heterostructure for photoelectrochemical hydrogen evolution.
Khushboo Soni, Sushil Kumar, Kasinath Ojha, Pratima Agarwal, Ashok Ganguly and Kaushik Ghosh.
Institute of nanoscience & Technology, Habitate Centre, Mohali. India
- (5) P186 : Effect of metal contacts on GaN/Sapphire based MSM ultraviolet photodetector.
Shubhendra K Jain, Neha Aggarwal, Shibin Krishna, Rahul Kumar, Sudhir C. Husale, Vinay Gupta and Govind Gupta
Advance Material and Device Division, CSIR- NPL New Delhi, India
- (6) P201 : Opto-structural properties of microcrystalline silicon films deposited using 60MHz assisted VHF-PECVD process.
Sucheta Juneja, Dmitry Bykov, V.S.Pavalyev, Svetlana N Khonina and Sushil Kumar
CSIR- NPL New Delhi, India
- (7) P239 : Growth of phase pure Kesterite $\text{Cu}_2\text{ZnSnS}_4$ thin films from hydrazine free solution :
Effect of variation in copper concentration.
I.Gupta, P.Malar and B.C.Mohanty
School of Physics and Material Science, Thapar University, Patiala, India
- (8) P303 : Effect of laser Fluence and ambient oxygen pressure on the growth of Titanium Niobium Oxide anode thin films for Li-ion micro batteries.
V.Daramalla and S.B.Krupanidhi
Indian institute of science, Bangalore , india
- (9) P265 : Biofunctionalized reduced grapheme oxide supported tungsten trioxide nanorods for cardiac biomarker detection.
Deepika Sandil, Saurabh Srivastava and Nitin K.Puri
Dept of applied physics, Delhi Technological University, Delhi, India
- (10) P13 : Microwave reflection and transmission properties of Niobium oxide thin films deposited on Si & SiO_2 .
Sandhya M.Patel, Sweety Deswal, YogitN.Ojha and R.K.Sinha
CSIR- NPL New Delhi, India

IVS BEST PAPER PRESENTATION AWARD

(Certificate, memento and Life membership of Indian Vacuum Society worth Rs. 2500/-)

- (1) O21-B15 : Study on filtered and unfiltered deposition of amorphous carbon nanocrystalline thin films.
Ravikant Tripathi, O.S. Panwar, Ishpal Rawal, A.K.Srivastava and B.C.Yadav
B.R. Ambedkar University, Lucknow, India

(2) O23-C2 : Magnetic properties and local structural investigation of MgO/CO/MgO trilayer in presence of oxygen migrated interface.

Parasmari Rajput, Manvendra Kumar Elaria carlomagno, Carlo Meneghini, Hadeel Hussain, Thomas Forrest, Mukul Gupta, V.R.Reddy, S.N.Jha, D.Bhattacharya, N.K.Sahoo
BARC Mumbai, India

(3) O28-E3 : Persistent photoconductivity & space charge limited conduction in a-Si:H/nc-Si:H: Role of interface states.

Asha Yadav and Pratima Agarwal
ITI, GUWAHATI, India

(4) O38-G2 : Study of ambipolar diffusion length in micro /nanocrystalline silicon films grown using 27.12 MHz assisted PECVD process.

Deepika Chaudhary, Mansi Sharma, S.Sudhakar and Sushil Kumar
CSIR-NPL NEW DELHI, India

(5) O50-G14 : Self -organized nanochannels in Tio2 films for resistive switching device application.

Alok Kanjilal
Shiv Nadar University Dadri (UP), India

(6) O52-H2 : Two dimensional molecular film for electronic applications.

Vipin Mishra and Thirurancheril G. gopakumar
ITI, Kanpur, India

(7) O63-I8 ; Room temp ion irradiation induced amorphization and recrystallization in Si substrate in a Si/Ni/Si trilayer system.

Nasrin Banu, B.Satpati and B.N.Dev
Indian association for the cultivation of science , Jabalpur , Kolkata, India

(8) O60-I5 : Effect of ferroelectric BaTiO3 substrate induced strain on magnetic and

transport properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin film.
Gyanendra Panchal, R.J.Choudhery, D.M.Phase
UGC DAE consortium for scientific research, Indore, India

(9) O70-J6 : Electrical detection of spin hall voltage in $\text{FeSi}_{3\%}$ /Pt bilayer thin film using ferromagnetic resonance technique at microwave frequency.

Saood Ahmad, Jyoti Shah, Rishu Chaujar, Nitin K.Puri, P.S.Negi, R.K.Kotnala
CSIR-NPL NEW DELHI, India

(10) O95-M3 : Investigation of charge storage characteristics of Au nanocrystals stacked

between HfO_2 thin films for non –volatile memory applications.

Arun Vinod, Mahendra Singh Rathore and N.Shrinivasa Rao

Malaviya National Institute of Technology, JAIPUR, India