



Poster presentations

Dutch Solar Cell Seminar 19 September 2007

Organisation

- 1 DelftChemTech
- 2 DelftChemTech
- 3 DIMES TUDelft
- 4 DIMES TUDelft
- 5 DIMES TUDelft
- 6 DIMES TUDelft
- 7 ECN
- 8 Eindhoven University of Technology
- 9 Eindhoven University of Technology
- 10 Eindhoven University of Technology
- 11 Eindhoven University of Technology
- 12 Eindhoven University of Technology
- 13 Eindhoven University of Technology
- 14 Eindhoven University of Technology
- 15 Radboud University Nijmegen
- 16 TNO
- 17 TNO / The Holst Centre
- 18 TNO / The Holst Centre
- 19 TU Delft
- 20 Utrecht University
- 21 Utrecht University
- 22 Utrecht University
- 23 Utrecht University
- 24 Utrecht University
- 25 Utrecht University
- 26 Utrecht University

Name

Tom Savenije
 Tom Savenije
 R. Jimenez Zambrano
 Gijs van Elzakker
 Stefan Luxembourg
 Michael Wank
 Maurits Heijna
 Bram Hoex
 Bram Hoex
 Richard van de Sanden
 Aafke Bronneberg
 Gilot Jan
 Johan Bijleveld
 Ahmed Kagilik
 Nellesmieke Mohr
 Joop van Deelen
 Marcel Tjiddink
 Marcel Tjiddink
 Minh Tuan Trinh
 Yaohua Mai
 Monica Brinza
 Yanchao Liu
 Erik Alsema
 Nils Reich
 Wilfried van Sark
 Wilfried van Sark

Title

Opto-Electronic Materials, Department of DelftChemTech, Faculty of Applied Sciences, Delft University of Technology, Delft, The Netherlands
 Surfaces, Interfaces and Devices, Faculty of Science, Universiteit Utrecht, Utrecht, The Netherlands
 Nanocrystalline Silicon Deposited by Expanding Thermal Plasma Chemical Vapor Deposition for Solar-Cell Application
 Hydrogenated silicon absorber layers for thin film solar cells deposited from hydrogen diluted silane using a layer-by-layer approach
 Bandgap engineering using superlattices and quantum dots
 Manipulating the hydrogen bonding configuration in ETP-CVD a-Si:H
 Deposition of a-Si:H and $\mu\text{c-Si:H}$ using a novel linear RF source
 Excellent surface passivation by Al_2O_3 grown by plasma-assisted atomic layer deposition
 Optical emission spectroscopy to detect the microcrystalline- to amorphous silicon phase transition in-situ
 Expanding thermal plasma MOCVD-deposited Al-doped Zinc Oxide films: Morphology and conductivity control
 Ion probe measurements in Ar/ NH_3/SiH_4 - fed plasma for silicon nitride deposition for solar cell application
 Multi-junction organic solar cells processed from solution
 Low band gap polymers for organic solar cells
 SiO_2 etching with the Expanding Thermal Plasma Technique
 Environmental life cycle assessment of thin-film GaInP/GaAs and multicrystalline silicon solar modules produced with solar energy
 Virtual prototyping of crystalline PV modules
 Gravure printing for OLED lighting applications
 Surfaces, Interfaces and Devices, Faculty of Science, Universiteit Utrecht, Utrecht, The Netherlands
 Multi-exciton generation and dissociation in PbSe/P3HT blends for high efficiency solar cells
 Bonding rearrangement in amorphous silicon nitrides deposited by hot wire chemical vapor deposition upon thermal annealing
 Silicon-based thin film solar cells deposited at 100°C
 Development of micromorph tandem solar cells on plastic substrates
 Fluorinated greenhouse gases in photovoltaic module manufacturing: Potential emissions and abatement strategies
 A solar powered wireless computer mouse: Design, assembly and preliminary testing of 15 prototypes
 Calculation of the performance of solar cells with spectral down shifters using realistic outdoor solar spectra
 The Effect of a Varying Solar Spectrum on the Energy Performance of Solar Cells,