

Singapore-Japan Joint Workshop on Photovoltaics

(as of 05 October 2016)

Date: 28 October 2016 (Friday)

Venue: Sands Expo & Convention Center (MBS), Level 3, Rm 3612 & 3613

Programme

| Time | Description |
|-------------|--|
| 09:00-09:05 | Opening & Welcome Address Prof Armin ABERLE, SERIS, Singapore |
| 09:05-09:15 | Opening Address Prof Makoto KONAGAI, Tokyo City University, Japan |
| 09:15-9:30 | PV R&D projects of NEDO Mr Takehiko SATO, New Energy and Industrial Technology Development Organization (NEDO), Kawasaki, Japan |
| 09:30-09:45 | Overview of PV R&D in Singapore Prof Armin ABERLE, SERIS, Singapore |
| 09:45-10:00 | PV R&D at SERIS: Monocrystalline Silicon Solar Cells Dr Shubham DUTTAGUPTA, SERIS, Singapore |
| 10:00-10:15 | Crystalline silicon solar R&D by universities' network of intelligent technologies Prof Yoshio OHSITA, Toyota Technological Institute, Japan |
| 10:15-10:30 | Heterojunction Silicon Wafer Solar Cell R&D at SERIS Dr Thomas MUELLER, SERIS, Singapore |
| 10:30-10:45 | Coffee/Tea Break Venue: Outside Rm 3612 & 3613 |
| 10:45-11:00 | High-quality passivation structures formed by catalytic chemical vapor deposition Prof Keisuke Ohdaira, Japan Advanced Institute of Science and Technology (JAIST), Japan |
| 11:00-11:15 | PV R&D at SERIS: Development of hybrid heterojunction silicon solar cells Dr Rolf STANGL, SERIS, Singapore |
| 11:15-11:30 | Overview of R&D on CIGS PV Technologies in Japan-NEDO CIGS Consortium- Dr Shigeru NIKI, National Institute of Advanced Industrial Science and Technology (AIST), Japan |
| 11:30-11:45 | PV R&D at SERIS: R&D pilot line for CIGS solar cells and mini-modules and associated industry-relevant device research Dr Selvaraj VENKATARAJ, SERIS, Singapore |
| 11:45-12:00 | Potential and Development Trend for CIS-based Thin-film PV Technology Dr Katsumi Kushiya, Solar Frontier K.K., Japan |
| 12:00-12:15 | Crystallographic and optical properties of CuInSe_2 , CuIn_3Se_5 , and CuIn_5Se_8 phases in Cu-poor $\text{Cu}_2\text{Se}-\text{In}_2\text{Se}_3$ pseudo-binary system Prof Takahiro Wada, Ryukoku University, Japan |
| 12:15-13:00 | Lunch Venue: TBC |

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| 13:00-13:15 | Multidimensional Perovskites and Carrier Dynamics Considerations for Solar Cells Prof Subodh MHAISALKAR, NTU, Singapore |
| 13:15-13:30 | Perovskite research in Japan Prof Shuzi Hayase, Kyushu Institute of Technology, Japan |
| 13:30-13:45 | Industry relevant research on PV module development in Singapore Dr Yan WANG, SERIS, Singapore |
| 13:45-14:00 | Performance and degradation analysis of various PV modules in Hokuto mega-solar Prof Yuzuru UEDA, Tokyo University of Science, Japan |
| 14:00-14:15 | PV Systems R&D in Singapore Dr Thomas REINDL, SERIS, Singapore |
| 14:15-14:30 | Potential-induced degradation for various kinds of photovoltaic modules <u>Dr Atsushi MASUDA</u> and Dr Kohjiro HARA, AIST, Japan |
| 14:30-14:45 | Hot Issues in PV Module Stabilities and Counter Measures for Stable Operation Prof Yoshihisa TAWADA, Osaka University, Japan |
| 14:45-15:00 | Development of the PV market in Singapore Ms Monika BIERI, SERIS, Singapore |
| 15:00-15:15 | PV Policy and Market in Japan Ms. Izumi Kaizuka, RTS Corporation, Japan |
| 15:15-15:20 | Closing remarks Prof Masafumi YAMAGUCHI, TTI, Japan |
| 15:30 | PVSEC-26 Closing Ceremony Venue: Rm 3711/3712/3713 |