

Detailed Agenda

International Floating Solar Symposium (IFSS) 2019

THU Oct 31	International Floating Solar Symposium (IFSS) Core Conference Presentation Day 1
Time	Venue: Marina Bay Sands Expo and Convention Centre, Level 4
09:00 – 10:30	IFSS Opening & Keynote Sessions Venue: 4812 Session Chair: Thomas Reindl (SERIS)
09:00 – 09:10	Opening & Welcome Remarks IFSS 2019 <i>Dr. Thomas Reindl, IFSS Co-Chair, Singapore</i> <i>Mr. Philipp Schmaelzle, IFSS Co-Chair, USA</i> <i>Dr. Teresa Barnes, IFSS Co-Chair, USA</i>
09:10 – 09:30	<u>Keynote #1</u> : Role of development banks in floating solar market <i>Mr. Rohit Khanna, World Bank, USA</i>
09:30 – 09:50	<u>Keynote #2</u> : Launch of the report “Where Sun Meets Water: Floating Solar Handbook for Practitioners” <i>Dr. Thomas Reindl, SERIS, Singapore</i>
09:50 – 10:10	<u>Keynote #3</u> : Addressing climate change and clients’ needs through innovation <i>Mr. Dennis Wee, Keppel Data Centres, Singapore</i>
10:10 – 10:30	<u>Keynote #4</u> : Strategic collaboration in offshore solar between Singapore and Norway <i>Mr. Paul Kastmann, Innovation Norway Singapore</i>
10:30 – 11:00	<i>Networking coffee break (provided, location signposted, exhibition area)</i>
11:00 – 13:00	Session 1: Case studies of 1+ year field performance, O&M, energy yield Venue: 4812 Session Chair: Teresa Barnes (NREL)
11:00 – 11:20	Solutions for floating PV in different water conditions <i>Mr. Yu Dehai, Sungrow Floating, China</i>
11:20 – 11:40	Shiwha offshore floating PV pilot test in South Korea 2014-2019 <i>Dr. Chang-Sub Won, Scotra, South Korea</i>
11:40 – 12:00	Modelling of floating PV performance for bankable energy predictions <i>Mr. Evan Woolard, DNV GL, Singapore</i>
12:00 – 12:20	O&M techniques on floating PV installations <i>Mr. Harold Meurisse, Ciel & Terre International, Malaysia</i>
12:20 – 12:40	2.5 years of field performance and O&M of floating PV testbed in Singapore <i>Dr. Abhishek Kumar, SERIS, Singapore</i>
12:40 – 13:00	Floating solar: A Malaysian experience <i>Mr. Achmat Nadhrain Ibrahim, Cypark Resources, Malaysia</i>
13:00 – 14:00	<i>Networking lunch (provided, location signposted, exhibition area)</i>



14:00 – 15:30	Session 2: Reliability: degradation mechanisms and accelerated testing and field failures Venue: 4812 Session Chair: Abhishek Kumar (SERIS)
14:00 – 14:20	Degradation mechanisms and accelerated testing for FPV <i>Dr. Teresa Barnes, NREL, USA</i>
14:20 – 14:40	Floating solar in extreme typhonic areas: Empirical lessons <i>Mr. Hajime Mori, Ciel & Terre Japan</i>
14:40 – 15:00	Mooring systems: Why they fail and how to improve long-term reliability through mooring integrity management (MIM) <i>Mr. Michalis Papageorgiou, DNV GL, Dubai</i>
15:00 – 15:30	A study of the performance and reliability of Ocean Sun’s floating PV technology <i>Dr. Josefine Helene Selj, IFE, Norway</i>
15:30 – 16:00	<i>Networking coffee break (provided, location signposted, exhibition area)</i>
16:00 – 17:40	Session 3: Site selection, environmental considerations, combined solar and hydro geospatial studies Venue: 4812 Session Chair: Michalis Papageorgiou (DNV GL)
16:00 – 16:20	Hydro-connected solar solutions for developing countries <i>Dr. Zuzana Dobrotková, World Bank, USA</i>
16:20 – 16:40	Analysing the change in energy entering the water of a reservoir arising from an FPV installation in a hot humid climate <i>Dr. Duncan Phillips, RWDI, Canada</i>
16:40 – 17:00	Assessing the technical potential of floating solar at the state, national, and global scale <i>Mr. Robert Spencer, NREL, USA</i>
17:00 – 17:20	Opportunities & challenges in developing floating solar in the Philippines <i>Ms. Maria Theresa C. Capellan, SunAsia Energy, Philippines</i>
17:20 – 17:40	Floating solar systems as a means of mitigating water evaporation <i>Dr. Miguel Redón Santafé, ISIGENERE – ISIFLOATING, Spain</i>
17:40 – 18:00	Summary of IFSS Thursday and outlook to Friday Dr. Thomas Reindl, IFSS Co-Chair, Singapore Mr. Philipp Schmaelzle, IFSS Co-Chair, USA Dr. Teresa Barnes, IFSS Co-Chair, USA
20:00 onwards	IFSS dinner event (not included in the conference fee) Venue: tbc



FRI Nov 1	International Floating Solar Symposium (IFSS) Core Conference Presentation Day 2
Time	Venue: Marina Bay Sands Expo and Convention Centre, Level 4
09:00 – 10:30	Session 4: Markets, project development and financing Venue: 4812 Session Chair: Børge Bjørneklett (Ocean Sun)
09:00 – 09:10	IFSS opening Day 2
09:10 – 09:30	India floating solar market and key parameters in technology selection <i>Mr. Shashank Adlakha, ReNew Power, India</i>
09:30 – 09:50	Bankability of floating solar: Industry status and technical challenges <i>Mr. Philip Napier-Moore, Mott MacDonald, Thailand</i>
09:50 – 10:10	Marine floating PV: The Seychelles case study <i>Mr. Stanislas Merlet, Multiconsult, Norway</i>
10:10 – 10:30	Case study: Europe's biggest floating solar plant <i>Mr. Matthieu Le Gall, Akuo Energy, Singapore & Mr. Patrick Escalier, Natixis, Singapore</i>
10:30 – 11:00	<i>Networking coffee break (provided, location signposted, exhibition area)</i>
11:00 – 13:00	Session 5: New component and system technology advancing floating solar Venue: 4812 Session Chair: Philip Napier-Moore (Mott MacDonald)
11:00 – 11:25	Mooring system solutions and optimizations in harsh environments <i>Mr. Charles Gery, Seaflex, Sweden</i>
11:25 – 11:50	Utility-scale PV on floating membranes <i>Dr. Børge Bjørneklett, Ocean Sun, Norway</i>
11:50 – 12:15	Novel floating solar system: Better solution for the environment and bankability <i>Mr. Yuichi Ueno, Kyoraku, Japan</i>
12:15 – 12:40	Floating PV is taking off: The gable raft new concept <i>Prof. Marco Rosa-Clot, Upsolar Floating, Italy</i>
12:40 – 13:00	Research on protection measures of inverter and insulation impedance of floating projects <i>Mr. James Lee Chun Ming, Huawei Technologies, Malaysia</i>
13:00 – 14:00	<i>Networking lunch (provided, location signposted, exhibition area)</i>

14:00 – 15:30	Session 6: Offshore FPV and emerging applications – Design for harsh conditions Venue: 4812 Session Chair: Charles Gery (Seaflex)
14:00 – 14:20	Offshore floating PV in Singapore <i>Mr. Ying Te TAN, Sunseap Engineering, Singapore</i>
14:20 – 14:40	Results and learnings from a first pilot study in the Netherlands under semi-shore conditions <i>Dr. Jan M. Kroon, TNO-ECN, Netherlands</i>
14:40 – 15:00	Marine Floating Solar – Taking the sun offshore <i>Ms. Caroline Tjengdrawira, Tractebel Engineering, Belgium</i>
15:00 – 15:15	R&D needs for offshore PV development <i>Dr. Bård Wathne Tveiten, SINTEF Ocean, Norway</i>
15:15 – 15:30	Technology Centre for Offshore and Marine Singapore: Co-creation of floating renewable solutions with industry partners <i>Prof. Allan R. Magee, TCOMS, Singapore</i>
15:30 – 16:00	<i>Networking coffee break (provided, location signposted, exhibition area)</i>
16:00 – 17:30	SMALL GROUP WORKSHOPS
17:30 – 17:45	IFSS 2019 wrap up and outlook to IFSS 2020