INTRODUCING PV MODULETECH ONLINE

WHY PV MODULETECH IS AN ONLINE EVENT

▶ PV ModuleTech was due to take place in October 2020 in Penang Malaysia, however, the event had to be delayed owing to global restrictions on travel and holding live events.

▶ PV ModuleTech will now take place online in March 2021

WHERE WILL THE EVENT TAKE PLACE?

▶ ModuleTech Online will be hosted on a dedicated, secure online platform.

▶ Speakers deliver presentations remotely, through the conference application.

▶ Attendees log-in to participate in the sessions, and to engage with the speakers, other attendees and companies present at the event.

OVERVIEW OF PV MODULETECH ONLINE

▶ PV ModuleTech Online will take place over a 3 day period: 9-11 March 2021.

▶ 9 Sessions will be covered during the 3 days (3 sessions per day).

▶ Each session will be technology-specific, featuring 3 invited talks.

▶ Sessions will be spread out across different time zones, with replay options for attendees.

▶ Therefore, the event will showcase 27 presentations, each chosen to help understand PV module technology trends.

WHAT WILL PV MODULETECH ONLINE LOOK LIKE?

▶ 27 presentations delivered by leading figures from across the PV module supply chain from manufacturing through to financing and deployment.

▶ The entire event moderated by the Chair of PV ModuleTech, Dr. Finlay Colville.

▶ While many events/conferences today are rushing to host virtual 'group chat sessions' as a substitute to in-person events, PV ModuleTech will focus on quality of talks, quality of speakers, and quality of presentations.

FEATURES & BENEFITS OF PV MODULETECH ONLINE

ONLINE AGENDA & SPEAKER PROTOCOL

▶ The agenda will run over three days (9-11 March 2021).

▶ Each day will feature different sessions, spread out to allow access in different zones.

▶ Speakers will deliver presentations remotely, viewed on the online conference platform.

▶ Presentations will be uploaded by the event organizers prior to delivery.

▶ Similar to the Penang events, each session will be moderated and allow for audience Q&A.

▶ Each talk will be 20 minutes in duration (similar to previous PV CellTech events), with 10 minutes after each talk for questions from the audience/moderator.

DELEGATE PARTICIPATION & BENEFITS

▶ Event delegates (including all invited speakers) will be able to view all presentations through the online platform.

▶ To accommodate for the global audience participation in PV ModuleTech, there will be an opportunity to view presentation recordings in different time zones.

▶ Delegates will be able to ask questions during and after each presentation through online features.

▶ Speaker presentation downloads will be available post-event, similar to previous PV ModuleTech conferences.

SPONSOR/PARTNER MARKETING & PROMOTION

▶ All partner company branding (logos, profiles, advertising) will be promoted through various online/digital platforms:
  ● The new PV ModuleTech Online digital conferencing facility.
  ● PV ModuleTech event website (same as previous events), including White Papers, etc.
  ● Email marketing campaigns by the PV ModuleTech / PV-Tech.org teams (same as previous events).
  ● PV-Tech Q&A features (same as previous events)

▶ Enhanced lead generation features:
  ● Audience participation and engagement with speaker topics.
  ● Attendee list including contact details will be shared with partnering companies.

▶ Delegate tickets & VIP allocations/nominations are similar to in-person events.

ONLINE PARTNERSHIP OPTIONS

	SPEAKING PARTNER PACKAGES (GOLD, SILVER, BRONZE)	SUPPORTING PARTNERS
20 Minute Speaking Slot	Yes	No
Speaking Slot Session Choice	Various Options based on Gold, Silver or Bronze Partnership	
PV-Tech Q&A	Yes (Before Event)	Yes (After Event)
Attendee List	Yes (Before Event)	Yes (After Event)
Corporate Branding	Yes	Yes
Company Attendees	Multiple based on Gold, Silver, Bronze	2 (max)
VIP Attendees (Non-Company)	Multiple based on Gold, Silver, Bronze	5 (max)

PVMODULETECH CONFERENCE

AGENDA

AGENDA	Day 1 9 March 2021	Day 2 10 March 2021	Day 3 11 March 2021
	All sessions moderated by Finlay Colville, Head of Research at PV-Tech & Chair of PV ModuleTech		
Session 1	**PV Module Optimization for Rooftop & Ground-Mount Applications** The opening session discusses the different types of PV modules being supplied today for rooftop & ground-mount projects. While in the past the main difference was mono/multi technology, leading suppliers now have product lines dedicated to each of these end-market segments.	**PV Module Assembly Variants, including Half-Cut Cells, Shingling, etc.** Session examining new module designs based on cutting wafers or cells into strips, and reassembling for high-performance modules. This session reviews the differences in module design, and the impact on site yields.	**PV Module Power Ratings: 400 Watt Plus Panel Formats & Trends** New formats are now available with power ratings above 400W, 500W and more. This session explains the benefits for utility solar when using the larger format/power modules. The presentations will also discuss the likely trends for module powers over the next 2-3 years.
Session 2	**PV Modules Produced in Southeast Asia, & by OEM Suppliers** Session examining PV module supply from producers in Vietnam and other SEA countries, including Cambodia. This session is particularly important when dealing with any China-made import duties. A key focus of the session is to understand which module suppliers are producing GW-levels of product outside China.	**PV Module Price & Cost Forecasts for 2021 & 2022** Presentations will discuss module price forecasts and module supplier margins. One of the key questions for all institutions buying volume supply of modules in the future is having an understanding whether module prices will go up or down. This session seeks to outline the key factors driving this.	**PV Module Roadmap: 3-5 Years Out** Are PV modules going to become standardized again? When will this happen and what will the default size/power-rating be for utility-scale projects? This session includes talks by leading module suppliers, getting their views on what the mainstream utility PV module will look like in 3-5 years from now.
Session 3	**PV Module Bifaciality** Bifacial module availability and supply has become a commoditized offering from module suppliers today, but questions remain in terms of site yield, product reliability and overall quality. This session will hear from some of the largest suppliers of bifacial modules today, and what improvements are being planned going forward.	**PV Module Reliability: Mitigating Risk of Changing BoMs** With so many changes in module design, and with so many variants on offer from any single GW-plus supplier today, it is inevitable that concerns exist regarding constant changes to the product bill-or-materials and production equipment used in assembly fabs. This session looks at how investors and developers can mitigate risk in this regard.	**PV Module Bankability** The health of PV module suppliers remains a massive issue within the industry, with margins tight and a legacy of company insolvencies. This session reveals exactly what is meant by Bankability and why it is important to understand fully the strengths and weaknesses of all module suppliers across financial and technical metrics, and benchmarked against one-another.