Joint Branch of the RINA & IMarEST (Singapore)

Report of the Technical Subcommittee 2020

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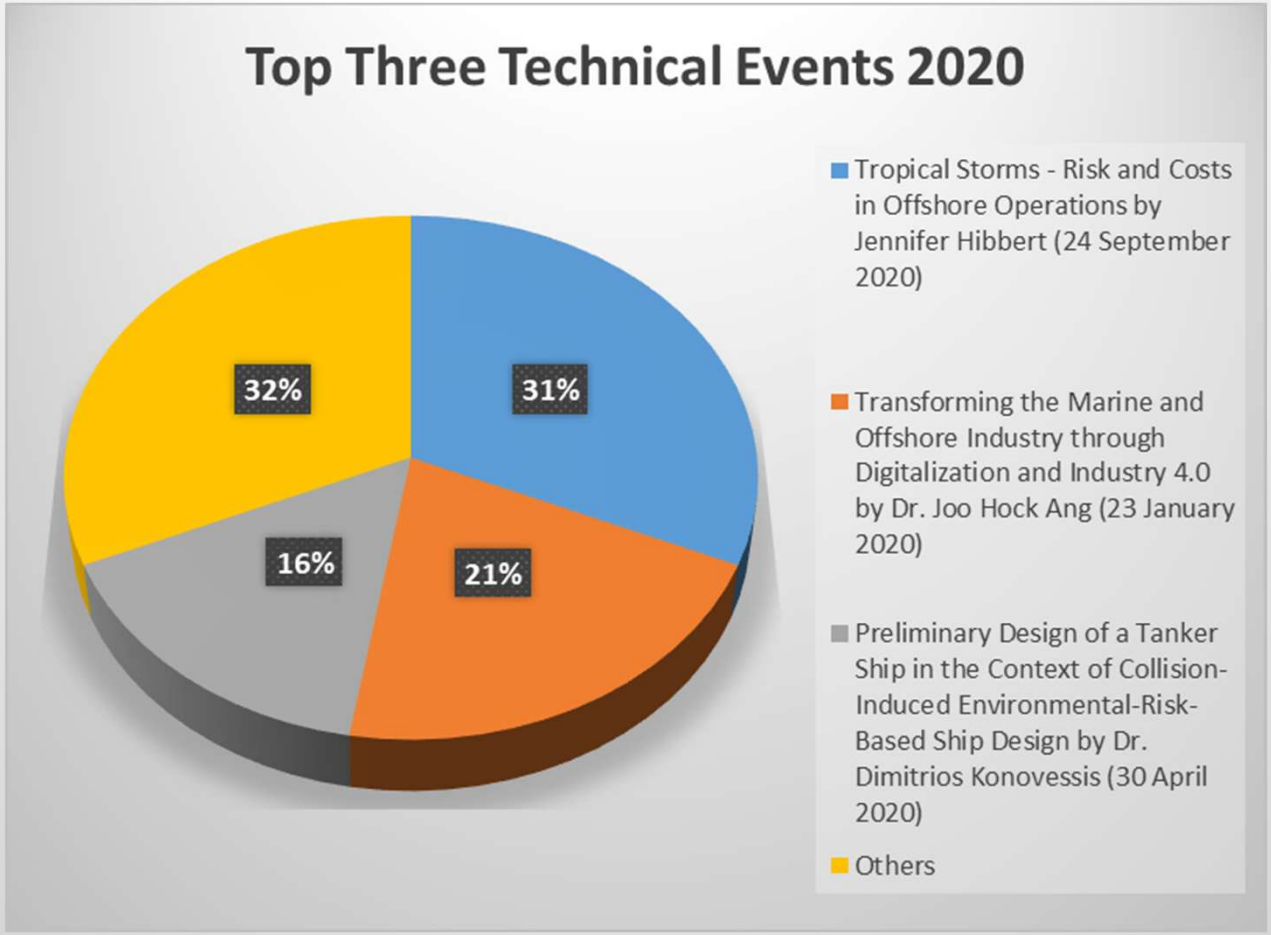
Technical Talks and Webinars

Mainstream and new industry themes in marine safety, green technologies, ship&boat decarbonisation, offshore engineering and digital technologies

S/N	Date	Company	Speaker	Topic and type of event	Organiser	Attendees Signed / Registered Eventbrite (Attendance Rate)
1	1 Oct	NTU	Dr Liu Shukui	Prediction of the Added Resistance in Seaways for Better Ship Design and Operation (Talk)	JB-SNAMES-SMA	36 / 55 (65%)
2	14 Nov	RINa Singapore	Mario Moretti	IMO 2020 Sulphur Cap and Beyond (Talk)	JB-SNAMES-SMA	63 / 91 (69%)
3	23 Jan	Sembcorp Marine	Dr Joo Hock Ang	Transforming the Marine and Offshore Industry through Digitalization and Industry 4.0 (Talk)	SNAMES-JB-NGEE ANN POLYTECHNIC	46 / 90 (51%)
4	30 Apr	Singapore Institute of Technology	Dr Dimitrios Konovessis	Preliminary Design of a Tanker Ship in the Context of Collision-Induced Environmental-Risk-Based Ship Design (Webinar)	SNAMES-JB-SSA-SIT	46 / 111 (42%)
5	19 May	INMARSAT	Toh Keng Hoe	Digitalization and Innovation in the Maritime Industry (Webinar)	SNAMES-JB-SSA	89 / 153 (58%)
6	28 May	Sovitec Group	Choon Seng Tan	An overview of Fire Fighting Systems on board cargo vessels (Webinar)	SNAMES-JB-SSA	36 / 75 (48%)
7	18 Aug	AkzoNobel	Dr Chen Haoliang	Prediction and analysis of ship performance and fuel efficiency with a proper selection of fouling control coating (Webinar)	SNAMES-JB-SSA	32 / 85 (38%)
8	24 Sep	Fugro	Jennifer Hibbert	Tropical Storms – Risks and costs in offshore operations (Webinar)	JB-SNAMES-SSA	31 / 109 (28%)

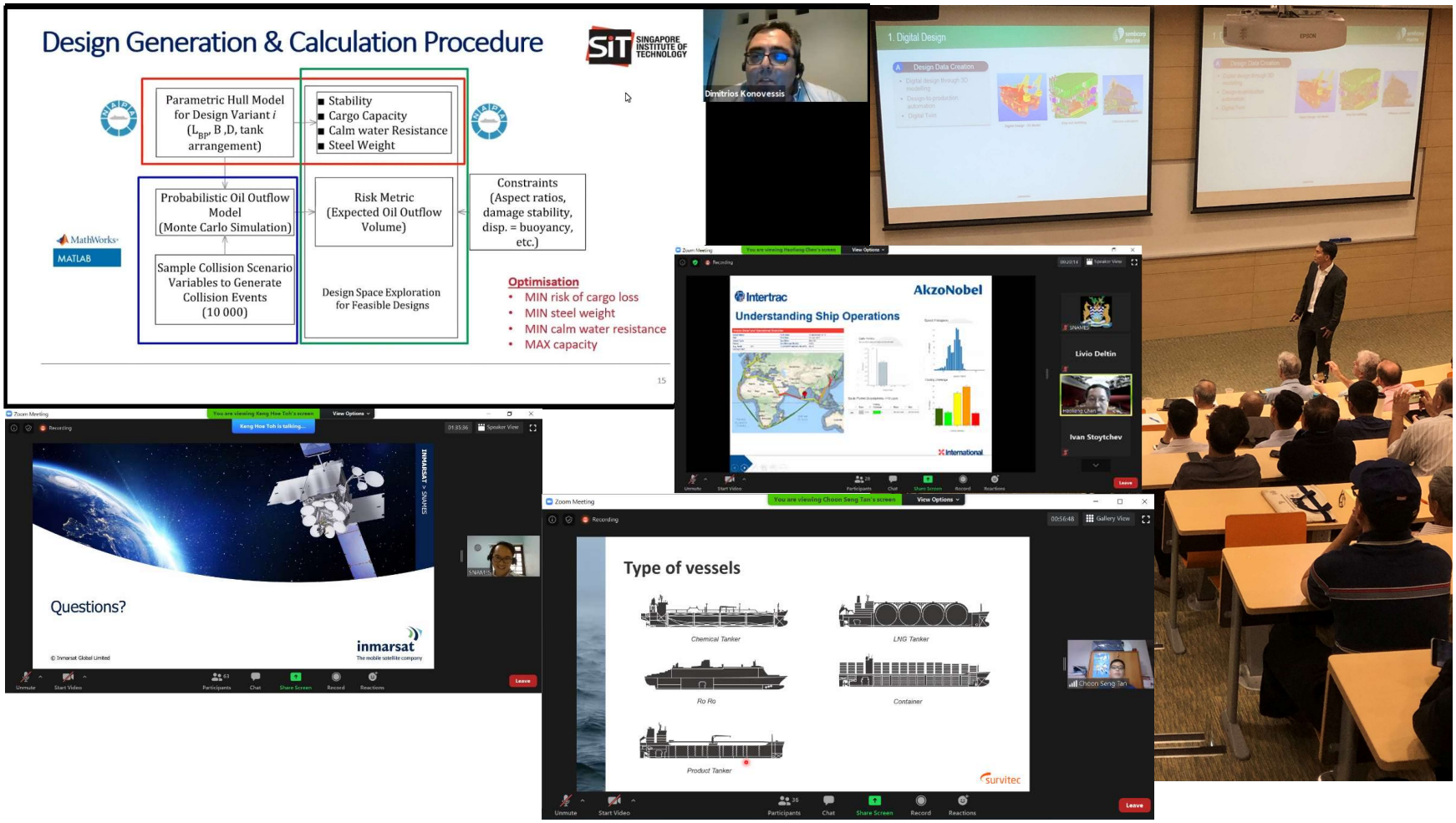


93 members* called for a three-day voting session online

19 votes collected with a deadline

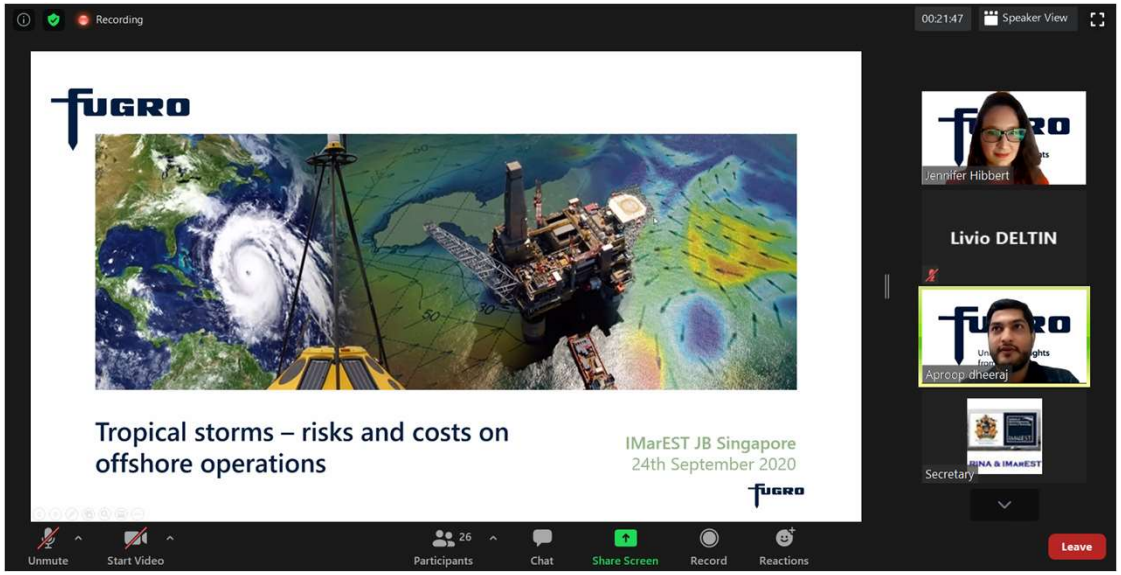
*members of RINA-IMarEST-SNAMES who signed the attendance register

Snapshots of some technical events in 2020



The IMarEST Branch Certificate will be awarded to
Ms Jennifer Hibbert's presentation (24 September 2020)

"Tropical Storms – Risks and Costs in Offshore Operations"



Feedback gathered after any technical webinar

- Shipyard Operations and Industry 4.0
- Marine Education and Training for Skilling and Upskilling Competitive Manpower
- LNG as a Marine Fuel and Supply Chain (FLNG, carriers, FSRU, bunkering vessels)
- Marine Propulsion Systems
- Marine Equipment and Technology
- Offshore Technology
- Subsea Technology and Deep-Sea Mining
- Maritime Cybersecurity
- Maritime and Shipbuilding Heritage

Technical Events Plan in 2021

- Follow up feedback from the audience gathered in 2020

- Blend feedback with new themes in the industry:
  - marine renewable energy (coastal and offshore)
  - floating solutions (coastal and offshore)
  - riverine, harbour and coastal ships and boats decarbonisation
  - marine leisure boating and cruise industry as a healthy lifestyle in pandemics
  - latest classification rules and statutory regulations with specific insights on developments for new technologies