



ANNUAL REPORT OF THE COMMITTEE FOR THE YEAR 2018/2019
(Previously known as Chairman's Annual report)

1. Executive Summary

1.1. The year 2019 marks the 17th Anniversary since the inauguration of the Joint Branch (JB) in Singapore in 2002.

1.2 Eleven committee meetings were held from January to November 2019. All meetings met a quorum.

1.3 The JB committee had another successful year of co-hosting technical talks with SNAMEs, SMA at SP and CORE at NUS. Mr Julien Boulland of BV was selected by the committee as the best speaker and presented with a certificate during the annual dinner in October.2019.

1.4 Continuing the practice of previous years, two Members Nights were held at the Tanglin Club during the year. Both were very well attended and in both, a technical talk was arranged to share some interesting information in a pleasant atmosphere. These Member nights at the Tanglin Club continue to be very popular and well attended and it is hoped that they will be continued also in future years.

1.5 The 24th annual Dinner & Conversazione was held on 18th October 2019 at the Churchill Room, Tanglin Club and was attended by 103 Members and guests. The event Mr Trevor Blakely Chief Executive of RINA as Guest of Honour. The second batch of Lifetime Achievement Awards of the Joint Branch were presented to two Singapore JB members, Mr Dorab Daruvala and Arun Dev, who were selected by an independent panel of judges.

1.6 An annual grant fund of est SGD 11,126 (6422 GBP) has been remitted by HQ in December 2019, which is higher than the SGD 10,350.43 received in 2018. This grant includes a special allowance of GBP 500 which was agreed with IMarEST HQ to cover expenses claimed by PRI assessors during the year.

1.7 To stop the recurring deficit of S\$ 2000 in the technical account every year, we negotiated a special rate with IMarEST Singapore office and shifted the Joint Branch's registered address from ASMI to IMarEST's Middle Road office during the year. This will save over S\$ 1000 /year in our registered office and admin fees.

We also discussed and agreed a fixed annual allowance with IMarEST HQ to cover travel and petty expense claims of PRI assessors, which were earlier being borne by us. With these two steps we expect that the technical account will break even or even show a slight positive balance from 200 onwards.

1.8. Committee members met Mr Trevor Blakeley Chief Executive of RINA over lunch at SPGG during his stopover in Singapore on 12 March 2019. Trevor again stopped over on 22nd March to attend our Members evening at Tanglin Club, where he gave a brief talk and interacted with members.

The undersigned met Mr David Loosely Chief Executive of IMarEST on 3rd Oct 2019 during an MOU signing between MPA and IMarEST at MPA HQ.

1.9 Road shows were organised by the Student Coordinator in Ngee Ann Poly, SMA and SIT to promote the Institute and Institution to Maritime Students. Students were invited to all the technical talks, and selected students also attended the annual dinner.

The Chairman, accompanied by Andrew Wong and Arun Dev gave a presentation on Joint Branch, RINA and IMarEST to Cardiff University SIRC Alumni on 22nd November 2019 at Sentosa.



2. Committee Meetings and Membership Status (Secretary: Dr Abdul Hannan)

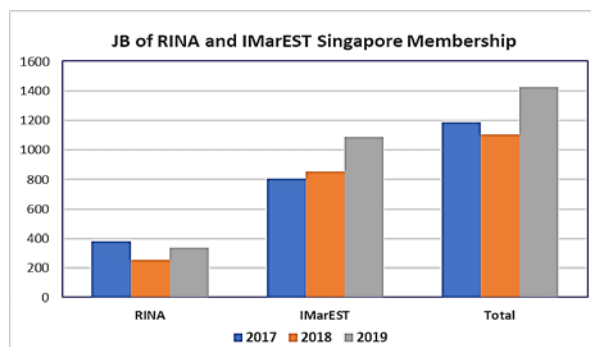
2.1 The attendance of the committee members in 2019;

SL no	Name	Attendance
1	Arvind Sharma	Chairman (8/11)
2	Chris Kirton	Vice-Chairman (6/11)
3	Abdul Hannan	Secretary (7/11)
4	Ivan Stanev Stoytchev	A secretary (10/11)
5	Dorab Daruvala	Treasurer (11/11)
6	Raymond, Chia Yong Hwa	A Treasurer (5/11)
7	Chan Fann Howe	Council Member (9/11)
8	Livio Deltin	Council Member (9/11)
9	Mike Watt	Council Member (3/11)
10	Shamsul Huda	Council Member (7/11)
11	Andrew Ling	Co-Opted Member (3/11)
12	Jerry Ng Kok Loon	Co-Opted Member (3/11)
13	Arun Kr Dev	Honorary Auditor
14	Mr Kenneth Kee	Honorary Auditor
15	Ivan CK Tam	Honorary Advisor

2.2 Monthly meeting schedule and completion status

Meeting	Date	Status
Committee Meeting #1:	21 January	Completed
Committee Meeting #2:	18 February	Completed
Committee Meeting #3:	11 March	Completed
Committee Meeting #4:	15 April	Completed
Committee Meeting #5:	06 May	Completed
Committee Meeting #6:	17 June	Completed
Committee Meeting #7:	08 July	Completed
Committee Meeting #8:	19 August	Completed
Committee Meeting #9:	09 September	Completed
Committee Meeting #10:	14 October	Completed
Committee Meeting #11:	18 November	Completed

2.3 Joint Branch Membership status





The Joint Branch of The Royal Institution of Naval Architects and
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(Singapore)

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		30 Sept 2018	30 Sept 2019
2.2	RINA Members	252	337
2.3	IMarEST Members	853	1088
	Total:	1105	1425

Increase of RINA membership by 85 consisted of 12 corporate members and the rest student members.
Increase of IMarEST membership by 235 consisted of corporate members and rest student members.

3. Technical Programme (Chairman: Livio Deltin)

3.1 Technical Talks 2019

Mainstream and new industry themes in marine safety, green technologies for IMO Sulphur cap 2020, maritime cybersecurity, and digital technologies

S/N	Date	Company	Speaker	Topic	Organiser	Attendees (Actual / Registered)
1	23 Jan	Lloyd's Register	Shamsul Huda	Understanding of Risk Perception and Decision-Making to Minimize Losses and Maximize Profits	JB-SNAMES-NUS CORE	27 / 46 (59%)
2	15 Feb	Wärtsilä Acceleration Centre	Mark Milford	Maritime Cyber Security	JB-SNAMES-WÄRTSILÄ	39 / 60 (65%)
3	28 Mar	Edge Insurance Brokers (Singapore) Pte Ltd	Jens Ringefelt	Marine Insurance Review	SNAMES-JB-NUS CORE	41 / 73 (56%)
4	23 Apr	Bureau Veritas	Julien Boulland	FSRU Regulatory and Classification Aspects	JB-SNAMES-SMA	48 / 71 (68%)
5	24 May	SHELL Marine and Innospec Limited	Eddie Chen and Shawn Lim	POST IMO 2020- Marine Engines Lubrication Challenges (Shell) IMO 2020 – Fuel Challenges (Innospec)	SNAMES-JB-SMA	49 / 65 (75%)
6	9 Jul	Oil & Gas LNG Facilities Life Cycle	Tushar K Poddar	Technology and Regulatory Insights on LNG Bunkering	SNAMES-JB-SMA	71 / 93 (76%)
7	22 Aug	Newcastle Research and Innovation Institute Singapore	Chun Wee Ng	Waste Heat Recovery Technologies for Marine Applications	JB-SNAMES-SMA	27 / 49 (55%)
8	12 Sep	Inalytics Pte Ltd	Fabian Chew	Are You Ready for 2020 Fuel Requirement? An Engine Operation Perspective	JB-SNAMES-SMA	41 / 53 (78%)
9	1 Oct	Nanyang Technological University	Dr Liu Shukui	Prediction of the Added Resistance in Seaways for Better Ship Design and Operation	JB-SNAMES-SMA	34 / 62 (55%)
10	14 Nov	RINa Singapore Pte Ltd	Mario Moretti	IMO 2020 Sulphur Cap and Beyond	JB-SNAMES-SMA	63 / 91 (69%)

3.2 Snapshots of some technical talks



3.3 Possible future topics (Based on Audience feedback on technical talk 2019)

1. Marine and offshore engineering safety
2. IMO 2020 sulphur cap, alternative fuels, alternative energy sources
3. Latest updates and developments of LNG as a fuel and bunkering
4. Innovative technologies in marine design and engineering
5. Classification rules, Flag State and Port Authorities regulations as related to new technologies
6. Digital transformation in sea shipping and industry 4.0 in shipbuilding
7. Maritime and shipbuilding history



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3.4 Technical talk plan for 2020

S/N	Date	Company	Speaker	Topic	Theme	Organiser
1	9 Jan	Sembcorp Marine	Dr Joo Hock Ang	Industry 4.0 and How It Can Transform the Marine Industry	Digital Technologies	SNAMES-JB
2	20 Feb	Stapleton Global Management Consultants	Dr Mick Thurlbeck	Maritime Cyber Security	Digital Technologies	JB-SNAMES
3	Mar	BOS Engineering	Dr Jerry Ng Kok Loon	Update on Water Ballast Management Regulations and Technologies	Green Technologies	JB-SNAMES
4	23 Apr	Singapore Institute of Technology	Dr Dimitris Konovessis	Smart Ships – Paradigm Shift with IoT and Data Analytics	Green and Digital Technologies	SNAMES-JB
5	21 May	TBA	Tan Choong Seng	Ship Fire Fighting System	Marine Safety	SNAMES-JB
6	18 Jun	DNV GL Offshore and Marine Services	Francois-Xavier Sireta	Hybrid Twin for Structures	Marine Safety and Digital Technologies	SNAMES-JB
7	16 Jul	GE Power Conversion UK	Dr Makhlof Benatmane	Full Electric Power and Hybrid Propulsion Systems On Board Ships. Technologies and intricacies.	Ship & Boat Decarbonisation, Digital Technologies	JB-SNAMES
8	18 Aug	Fugro	Rob Cowle	The Costs, Risks and Impact of Weather on Offshore Design and Operations	Digital Technologies, Marine Safety, Offshore Engineering	JB-SNAMES
9	10 Sep	RINa Singapore Pte Ltd	Pang Yong Seng	Hydrogen as a Source of Power for Marine Applications – Regulatory Aspects	Ship & Boat Decarbonisation	JB-SNAMES
10	22 Oct	TCOMS	Brian Wong	Offshore and Marine Tank Tests Facility in Singapore	Offshore Engineering	SNAMES-JB
11	19 Nov	AzkoNobel – International Paint Group	Dr Chen Haoliang	Hull Performance and Big Data	Green and Digital Technologies	SNAMES-JB



4. Social Activities Programme (Chairman: Ivan Stoytchev)

Three social events and the AGM dinner were very successfully organized by the Social subcommittee led by Ivan Stoytchev and supported by Mike Watt.

1. The **1st Members' Night** 2019 was held on 22 Mar 2019 at Tanglin Club/Raffles Room. The event was sponsored by AMOS International (S) Pte Ltd, and an interesting talk was given by Mr Shamsul Huda on 'Affect Heuristic and its Influence on Operational Risk Management'. The event was attended by 48 members
2. The **2nd Members' Night** 2019 was held on 26 Jul at Tanglin Club/Raffles Room. The event was sponsored by Innospec Limited. An interesting talk was given by Richard Tan of Pavilion Energy titled 'Pioneering Singapore's Ship-to-Ship LNG Bunkering Capability'. The Event was attended by 51 Members.
3. **The 24th Annual Dinner & Conversazione** was held on 18 Oct 2019 at the Churchill Room in the Tanglin Club. Lifetime achievement awards for 2019, were presented to Mr Dorab Daruvala & Arun Dev by the Guest of Honour Mr Trevor Blakely Chief Executive of RINA. The best technical speaker certificate for 2019 was awarded to JB member Mr Julien Boulland by the Chairman. A total of 103 Members and guests attended the dinner and listened to an interesting talk on the Viola Salvage by the guest speaker Capt. John Simpson of Solis Marine Consultants.

5. Student Activities (Coordinator: Andrew Ling)

Following student activities were conducted by Andrew Ling, the Student coordinator, with close back up and support by Chan Fann Howe the Web editor and past Student coordinator.

1. Presentations about IMarEST and RINA were conducted for a total of 120 marine university students from Singapore Institute of Technology (SIT)/Newcastle University. Presentation was aimed at building awareness about the work that both societies do in the maritime industry as well as highlighting the benefits of becoming a student member of both organisations.
2. Graduating Students were informed on the IMarEST Sea Your Future Initiatives and the collaboration with Singapore MPA on course subsidy programme.
3. New and Existing Student Members were invited to all Joint Branch Technical Talks through Singapore Joint Branch web editor email notifications.
4. The undersigned accompanied by Andrew Wong and Arun Dev gave a presentation on Joint Branch, RINA and IMarEST to Cardiff University alumni of the Nippon Foundation on 22nd November 2019 at Sentosa.

Plan for Student Activities in Year 2020

1. To continue joint branch presentations for the incoming 2019 freshman in SIT/Newcastle University. Will also look to organise similar presentations targeted at Singapore Polytechnic and Ngee Ann Polytechnic maritime students.



2. To consider organising a social event with working professionals from the marine industry as well as undergraduate students from various institutions . The gathering would allow young students to ask questions relating to further education and their future careers. Targeted institutions would be Ngee Ann Polytechnic and Singapore Polytechnic.
3. To explore partnering with MPA and Tertiary Institutions for conducting a field trip to Raffles Light House, in tandem with Singapore Maritime Week 2020.

6. Web Editor (Chan Fann Howe)

- 6.1 With the switch from Outlook to Gmail, emails to members were sent in batches of 500, which has significantly reduced the time required from 30mins to 10mins. IMarEST and RINA HQ has been providing us with updated list of members every quarter and our mailing lists have been kept updated due to this.
- 6.2 We have setup a dedicated Singapore Joint Branch web editor account for the IMarEST webpage. This allows web editor to send out events in the title of web editor instead as his/her name. In future, this account will be handed over to Council Member holding the position of Web Editor.
- 6.3 A significant number of bouncing emails are being observed. As we can only update addresses from the HQ lists, members are requested to keep their contact information updated, especially their email address.
- 6.4 Technical talks and other events registration are now regularly being done using Eventbrite, which is proving to be a dynamic and easy to use event hosting platform.
- 6.5 We are grateful to both IMarEST and RINA HQ IT teams, who have helped and supported the Joint Branch IT activities by promptly addressing any technical issues and giving timely feedback and suggestions.

7. Accounts (Treasurer: Dorab D Daruvala)

Technical Account Balance at 30th September 2019 \$8,082.038

Grant Received from HQ in 2018 (for Year 2018-2019) \$10,350.42

Total Increase/Decrease in bank balances between 1st Oct 2018 and 30th Sept 2019:

Year	Technical
30/09/2018	\$5,616.58
30/09/2019	\$8,082.03
Increase:	\$2465.45



8. Changes to Branch Constitution

The following changes moved in the 2018 AGM, were incorporated in the Branch constitution, after lengthy discussions (and some amendments) with IMarEST and after receiving approvals of RINA and the Singapore Registrar of Societies –

CLAUSE 4 MEMBERSHIP QUALIFICATIONS AND RIGHTS

4.2 Only members who are above 21 years of age shall have the right to vote and to hold office in the Society.

Replaced with

Cl 4.2 “Only Associate members, Members and Fellows , who are above 21 years of age shall have the right to vote, nominate as a proposer or seconder and to hold office in the Society. Other grades of Members can be co-opted into the committee but without voting rights. ”

CLAUSE 5 APPLICATION FOR MEMBERSHIP

5.1 A person wishing to join the Society should submit his particulars to the Secretary on a prescribed form.

Replaced with

Cl 5.1 “A person wishing to join the Society should submit his/her particulars to the membership committee of the respective parent body on a prescribed form.”

5.2 A new member must be proposed and seconded by existing members. The Committee will decide on the application for membership.

Replaced with

Cl 5.2 “A new member while applying for membership must meet the requirements of the parent body. The membership committee of the respective parent body will decide on the application for membership.”

CLAUSE 8 MANAGEMENT AND COMMITTEE

8.3 Names for the office-bearers shall be proposed and seconded at the Annual General Meeting, and election will follow on a secret balloted majority vote of the members. All office-bearers, may be re-elected to the same or related post for a consecutive term of office. The term of office of the Committee, excluding the Chairman, Vice Chairman and Ordinary Committee Members, shall be one year. The Chairman, Vice Chairman and Ordinary Committee Members shall hold a two-year term of office. The term of office of the Treasurer shall be not more than two years.

Replaced with

Cl 8.3- names for the office bearers shall be proposed and seconded at the Annual General Meeting and election will follow on a secret balloted majority vote of the Members.

The term of office of the committee , excluding the Chairman, Vice Chairman and Ordinary Committee Members, shall be one year.

The Chairman, Vice Chairman and Ordinary Committee Members shall hold a two year term of office.

All office bearers, excluding the Chairman and Treasurer, may be re-elected to the same or related post for a consecutive term of office.



The Chairman cannot be re elected as Chairman for a consecutive term but can be elected to any other position in the committee. He may be re elected as Chairman, only after a gap of at least one term, from his previous tenure as Chairman.

Similarly, the Treasurer cannot be re elected as Treasurer for a consecutive term, but can be elected to any other position in the committee. He may be re elected as Treasurer, only after a gap of at least one term, from his previous tenure as Treasurer..

9. Lifetime Achievement Awards

The joint Branch's second set of Lifetime Achievement Awards were presented by Mr Trevor Blakely to two members selected by an independent panel of judges. The recipients of the 2019 awards were Arun Dev (FRINA & FIMarEST) and Mr Dorab Daruvala (IMarEST). Presentation of these awards will be continued at future annual dinners.

10. Conclusion

10.1 New Committee

New members are always welcome in the committee. The following positions are open for election in this AGM and we encourage members to join and contribute new ideas to the committee for the new year.

Position	Post Open for Election 2019/ 2020	Current Year 2018/ 2019
Chairman	Yes	Arvind Sharma
Vice Chairman	Yes	Chris Kirton
Secretary	Yes	Abdul Hannan
Assistant Secretary	Yes	Ivan Stoytchev
Honorary Treasurer	Yes	Dorab Daruvala
Assistant Treasurer	Yes	Raymond Chia Hong Hwa
Committee member	No	Livio Deltin
Committee member	No	Chan Fann Howe
Committee member	Yes	Shamsul Huda
Committee member	No	Michael Watt
Co-opted member	No (Nominated by Committee)	Jerry Ng
Co-opted member	No (Nominated by Committee)	Andrew Ling
Co-opted member	No (Nominated by Committee)	NIL
Co-opted member	No (Nominated by Committee)	NIL
Honorary Advisor	No (immediate past Chairman)	Ivan CK Tam
Honorary Auditor	Yes	Arun Kr Dev
Honorary Auditor	Yes	Kenneth Kee



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10.2 JB has jointly organised technical talks with SNAMEs, SMA at Singapore Polytechnic and the CORE at NUS. The collaboration is working well and will be continued in the coming year. The cost in catering is normally shared between JB and SNAMEs. Livio Deltin has done a good job as head of Technical Subcommittee and has agreed to continue for the next year. His cooperation and contribution are gratefully acknowledged.

10.3 Members' Night has become a popular and well attended social gathering for members and will be continued. This year, with the help of Mike Watt we managed to get sponsors for both Members evenings, which helped in reducing our own outlay for the events to a bare minimum.

The Annual Dinner went off well with 103 guests attending. We did manage to get some corporate tables, but it would have helped to get a few sponsors which we failed. We will need to put in more effort in future events for getting industry sponsorships.

All social arrangements have been flawlessly executed by our Social chairman Ivan Stoytchev and he is deserving of our thanks for his ceaseless efforts.

10.4 The ticketing system through EventBrite for Technical Talks, Members' Night and the Annual Dinner was managed well by our web editor Fann Howe and our secretary Hannan and they deserve our thanks.

10.5 A good effort has been put in by our Student coordinator Andrew Ling, guided and supported by Chan Fann Howe during this year, for interacting with students, and their efforts are greatly appreciated. These interactions will be continued in the coming year with students in the various Maritime institutes.

10.6 I wish to thank all Office Bearers, Committee Members, Co-opted Members, Honorary Advisor Ivan Tam and both Hon Auditors for their contribution and support during the past 12 months.

The support from both HQs and from the IMarEST Asia Pac office is gratefully acknowledged. Although David Kelly left in the middle of the year to join the Singapore British Chamber of Commerce, the support from this office has been maintained unchanged, thanks to Andrew Wong and his team.

The great teamwork and professionalism from all have made the job of Chairman an easier one and I remain grateful to you all for your assistance.

Thank you

Arvind Sharma

Arvind Sharma

FRINA FIMarEST

Chairman of the Singapore Joint Branch of RINA & IMarEST

Dated 6th December 2019