



The 20th Commemorative
Annual General Assembly

AGA 20

International Association of Maritime Universities

30 October – 1 November 2019

Tokyo Japan

October 31st, 2019, London

**ITF MARITIME SAFETY
COMMITTEE**

Sergey Aysinov

ПРОГРАММЫ

- The International Association of Maritime Universities is the global network of leading maritime universities providing Maritime Education and Training (MET) of seafarers for the global shipping industry
- IAMU was founded by seven universities representing the five continents of the world (Representative Universities) in November, 1999, with a shared recognition of significance of maritime education and training in the rapid globalization of the international shipping arena.
- Since then, IAMU has significantly expanded its membership, and now boasts 65 universities/academies/faculties of the world's maritime education and training institutions, and The Nippon Foundation as its members, totaling 66 altogether.

Tuesday 29 October

Shinagawa Prince Hotel	
17:30 –	Registration Desk Open
18:00 – 21:00	Welcome reception

Wednesday 30 October

Shinagawa Prince Hotel	
9:30 –	Registration Desk Open
	AGA 20 Opening Ceremony
	Welcome Address: Dr. Neil Bose , Head of Executive Committee
10:00 – 11:00	Opening Remarks: Dr. Yohei Sasakawa , Chair of Nippon Foundation Capt. Samuel Pecota , California State University, Maritime Academy Mr. Ki-tack Lim , Secretary General of IMO (Video message) Mr. Stewart Inglis , Senior Advisor of International Chamber of Shipping
11:00 – 12:00	Key note speech: Capt. Tomoyuki Koyama , Senior Advisor, Nippon Yusen Kaisha Capt. John Lloyd , Chief Executive Officer, The Nautical Institute Mr. Brad Groves , Chair of Maritime Safety Committee, General Manager of Australia Maritime Safety Authority
12:00 – 12:20	Group photo session
12:20 – 13:30	Lunch
13:30 – 15:00	AGA 20 commemorative event (Panel discussion) Topic: Is there a future for seafarers with the coming of MASS (Maritime Autonomous Surface Ship)?
15:00 – 15:10	Coffee break
15:30 – 16:30	Presentations by Working Groups
17:30 –	Departure from Shinagawa Prince Hotel to Hinode Bridge by bus
18:00 –	Check in to the Ship
19:00 – 21:30	Cruising Dinner on "Symphony"
21:30 –	Back to the hotel by bus

Thursday 31 October

Shinagawa Prince Hotel		
8:00 – 11:00	President's Forum *Official Representatives (or proxy) of member universities only.	Workshop 1 Workshop Organizational Development Project Workshop Karada Mai Workshop 2 Workshop Preparing a successful IAMU RP proposal Workshop Previews Xmas Martini on Deck Workshop 3 Workshop Preparing a quality paper for the IAMU Section of JAMA Workshop Xmas Brunch, Dango-work Song
11:00 – 11:30	Coffee break	
11:30 – 12:30	Project presentation *Research Project for All Academic Staff	
12:30 – 14:00	Lunch	
14:00 – 15:10	Project presentation *Research project for Young Academic Staff Development Project	
15:10 – 15:30	Coffee break	
15:30 – 17:00	Plenary Session *Participants from member universities only.	
17:00 – 17:30	Closing ceremony	
18:00 – 21:30	Dinner at Prince Hotel	

Friday 1 November

TOP Shinagawa Conference Center IAMU Conference (IAMUC)			
9:00 – 9:10	Opening of IAMUC		
	Room 1		Room 2
9:15 – 12:15	Session 1 Session Environmental Impact Session forum	Session 2 Session Technological Impact Session forum	
12:15 – 14:15	Lunch + Poster session		
14:15 – 17:15	Session 4 Session Social Impact Session forum	Session 3 Session Policy Impact Session forum	
17:15 – 17:30	Closing of IAMUC		
19:00 – 21:30	Dinner at Grand Prince Hotel Tokanawa		

Please note that this program is preliminary and subject to change

Panel Discussion

As 20th Commemorative Event of AGA20, the panel discussion will be held for discussing the theme: Is there a future of seafarers with coming of MASS?, inviting the specialists from various areas

Date 30th October 2019

Time 13:30 – 15:00

Venue [Shinagawa Prince Hotel](#)

Theme **Is there a future of seafarers with coming of MASS (Maritime Autonomous Surface Ship)?**

Moderator: **Prof. Shuhong Chai**, Professor, AMC

Panelists: **Dr. Hideyuki Ando**, Senior General manager, MTI, R&D arm of NYK
Mr. Brad Groves, Chair of Maritime Safety Committee, General Manager of AMSA
Prof. Ruri Shoji, Vice-President, TUMSAT
Prof. Masamichi Hasebe, Representative for Europe, Middle East & Africa, Japan Association of Marine Safety
Dr. Sergey Aysinov, IMO representative of ITF

- GDP Growth will lead to shipping development
- Shipping companies- tendency to shorten costs
- MASS is a continuation of industry automation likely leading to a reduction in the number of crew members
 - Likely up-skilling of Management Level Officers over the medium term
- What functions of the crews will go away or will be transformed ?
- Some equipment maintenance will be transformed from on-board to shore-based or to on-line
- Deck officers and Engine officers will likely need some additional education similar to that of ETOs
- Most of on-board simple operations will be automated

ПРОГРАММЫ

- Lifetime Total Ship costs vary sector to sector; however, as a general rule.
 - 40% Capitol Costs
 - 40% Fuel Costs
 - 20% ships operating costs (25% of which are crew costs)
 - Crew cost is between 3-6% of the Lifetime Total Ship Cost.

By 2040 MASS business case will marginally reduce this over time.

Kongsberg's most optimistic vision for their industry is that in 2040 14% of the world fleet will have some sort of MASS equipment aboard.

ПРОГРАММЫ

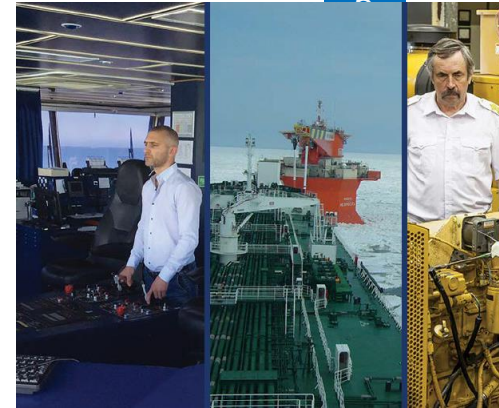
■ Results 1 – Ratings & Operational Level Officers

will be first displaced by the MASS

■ Results 2 – On-board maintenance some functions/officers (Engine, ETO) will be automated

■ Results 3 – Deck Watchkeeping some functions/officers will be automated

■ Results 4 – Shore-based operators need – HQ education, Management level license, significant at sea experience (5+ years) to Deck/Master/VTMS operator qualification



ПРОГРАММЫ

- **New Risks** – Critical Fail will lead to Unmanaged object
- **New Risks 2** – Captured by pirates or CyberAttack Captured – what to do
- **New Risks 3** – Responsibility – for Decision Making, Near miss, Accident, increasing insurance costs
- **New Risks 4** – Cargo handling operations in ports – responsibility – increasing insurance costs



ПРОГРАММЫ

- 1. What to do – R&D – what competences are critical for every type of MASS
- 2. What competences should be modified for every type of MASS
- 3. What new competences we need to develop and implement
- 1+2+3+? = R&D project



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