The 9th Asia AIS Workshop

　当センター海事安全管理研究部門では、毎年 AIS システム及び情報の高度活用に関して最新研究発表・意見交換を行う「AIS Work Shop」を開催しています。本年度は 2016 年 3 月 16〜17 日、神戸大学深江キャンパスにて開催いたしました。マレーシア、インドネシアなどの海外の大学、日本の大学や研究機関、企業などから 9 名、本学から 3 名が参加、AIS をテーマに 9 名の研究発表が行われました。各発表後には質疑応答の時間が設けられ、活発な意見交換がなされました。

Background and Aim

AIS (Automatic Identification System) is an automatic ship dynamic and static data transmission and receiving system installed on board. Ships can get other ships' dynamic conditions such as positions, velocities and static conditions as ship names and dimensions. Those data are useful not only for keeping local or individual sea traffic safety in navigation but also for extended or advanced big data analysis for risk evaluation of restricted or congested sea areas. The aim of this workshop is to exchange the navigation situation, seaway conditions, evaluation method of sea traffic, analysis method of the big data, and more.

General Meeting (16th March)

13:30 -15:00 Discussions on the future workshop

Workshop program　(17th March)

10:30 Opening address: *Masao Furusho, Kobe University*

10:40 Potential of Maritime Monitoring by using Space-Born Technology,

Masanori Watagawa, PASCO Corporation

11:10 Study of Risk Priority Number for Marine Traffic Safety Using AIS Data,
   Muhammad Badrus Zaman, ITS

11:40 Lunch Break

13:00 Application of AIS data analysis for Natech risk reduction,
   Xinjia GAO, Kobe University

13:40 Location sharing system for AIS and non-AIS ships by using smartphones and cloud server, *Yasuyuki NIWA, National Maritime Research Institute*

14:15 Utilizing AIS data for collision avoidance evacuation for vessels navigation in the straits of MALACCA
   Utilizing AIS data for evaluating the impact of dredging and reclamation works on port capacity by using discrete programing ,
   Adi Maimun bin Abdul Malik, Universiti Teknologi Malaysia (UTM)

14:45 Coffee Break

15:15 Navigational Safety Indices in Tanjung Perak Port using Maneuvering Simulation and AIS Data, *I Putu Sindhu Asmara, Surabaya Shipbuilding State Polytechnic*

15:45 Analysis of Navigation for Entire Ship Voyage in Seto Inland Sea Using Automatic Identification System(AIS) Data, *Xinjia GAO, Kobe University*

16:15 Performance Comparison of VDES and AIS using VDES/AIS Simulator,
   Kazuhiko, Hasegawa, Ryohei Sawada,Osaka University,

16:45 Model ships experiments of collision avoidance for using AIS data,
   Wataru Sera, Kobe University

17:15 Reception Party