

11月21日(水)

9:00 ~ 17:00 分科会

第1分科会 テーマ「沿岸域におけるモニタリングと環境情報の果たす役割」 本館B1 生田  
コーディネーター ジャンポール・デュクロトワ(英国・ハル大学教授)  
バイスコordinater 三村 信男(茨城大学広域水圏環境科学教育研究センター教授)  
ラポター 柳 哲雄(九州大学応用力学研究所教授)  
口頭発表

9:00-10:30 **Session1-3**

Chair Mr. KIMOTO, Takashi

1-125 Study on Generation of Oxygen-Depleted Water Based on Stochastically-Changing Weather Conditions

Dr. TANAKA, Ken-ichi (JAPAN)

Kyushu Environmental Evaluation Association

1-052 Population Dynamics of the Pelagic Larval Shrimp in Osaka Bay

Mr. TERASAWA, Tomohiko (JAPAN)

CTI Co., Ltd

1-244 Rank Models for Assessment Composite Dynamics of Liquid, Chemical and Sediment Influx (Russian Parts of Black and Caspian Sea Basins Case Study)

Dr. PENKOVA, Natalia V. (RUSSIA)

Water Resources and Water Budget Laboratory, State Hydrological Institute

1-155 Health Examination for the Sea / A New Concept of Marine Environmental Monitoring

Mr. OKAWA, Mitsuru (JAPAN)

SHIP & OCEAN FOUNDATION

11:00-12:30 **Session1-4**

Chair Dr. IMAI, Ichiro

1-218 Continuous Monitoring System of Coastal Environment in Bungo Channel

Dr. HAYAMI, Yuichi (JAPAN)

Faculty of Engineering, Ehime University

1-163 Preliminary Attempts of an Integrated Estuarine Environment Impact Assessment for Tokyo Bay

Dr. OKADA, Tomonari (JAPAN)

Marine Environment Division, National Institute for Land and Infrastructure Management

1-133 Mangrove Mapping in Cross River Estuary, Nigeria

Prof. HOLZLOEHNER, Sieghard (NIGERIA)

University of Calabar, Institute of Oceanography

1-130 An Analysis on Economic and Geographic Backgrounds of Reclamation Injapan's Port Districts"

Mr. SUZUKI, Takeshi (JAPAN)

National Institute for Land & Infrastructure Management

13:30-15:00 **Session1-5**

Chair Prof. MIURA, Nobuo

- 1-138 Rythms in Biocomplexity: A Lesson from In-situ Monitoring at Gokasho Bay, Ise  
Mr. KIMOTO, Takashi (JAPAN)  
Research Institute of Oceano-Chemistry (Foundation)
- 1-309 Characterization and Long-term Monitoring of a Coastal Environment by Assessment of the Macro-algal Flora  
Mr. KHOY, Khim (CAMBODIA)  
Ministry of Industry, Mines and Energy Department of Potable Water Supply
- 1-352 Total Maximum Daily Load (Tmdl) Analysis for Toxic Substances in Baltimore Harbor  
Dr. SUMMERS, Robert M. (USA)  
Maryland Department of the Environment
- 1-274 Monitoring of Dsp Toxins in Small-Sized Plankton Fraction of Seawater Collected in Mutsu Bay, Japan, by Elisa Method : Relation  
Dr. IMAI, Ichiro (JAPAN)  
Graduate School of Agriculture, Kyoto University

15:30-17:00 **Summary Session**

Coordinator : Prof. DUCROTOY, Jean-Paul  
Vice-Coordinator : Prof. MIMURA, Nobuo  
Rapporteur : Prof. YANAGI, Tetsuo

第2分科会 テーマ「陸域と海域の相互作用と理解」 南館B1 ダイヤモンド  
コーディネーター ベン・ヤンソン (スウェーデン・ストックホルム大学名誉教授)  
バイスコordinater 松田 治 (広島大学生物生産学部教授)  
ラポター デヴィッド・キャロル (米国・ボルティモア郡環境保護資源管理部長)  
口頭発表

9:00-10:30 **Session2-3**

Chair Prof. MATSUDA, Osamu

- 2-002 Ecological Consiquences of Black Sea Pollution  
Dr. RUDNEVA, Irina (UKRAINE)  
Institute of The Biology of The Sourthen Seas
- 1-026 Results of Monitoring of Coastal Waters on the Level of Gelatinous Macroplankton (Crimean Coast of the Black Sea) in the Second Half of the 90-Ties Years"  
Prof. IGNATYEV, Sergey (UKRAINE)  
Institute of The Biology of The Southern Seas
- 2-033 Jellyfish Blooms in Enclosed Coastal Seas: Cause and Consequence  
Prof. UYE, Shin-ichi (JAPAN)  
Faculty of Applied Biological Science, Hiroshima University
- 2-126 The Seto Inland Sea, Japan- Eutrophic or Oligotrophic  
Prof. YAMAMOTO, Tamiji (JAPAN)  
Graduate School of Biosphere Sciences, Hiroshima University

11:00-12:30 **Session2-4**

Chair Mr. David A.C. Carroll

- 2-027 Salinity Changes in Corpus Christi Bay, Texas, Due to Channel Expansion"  
Dr. MATSUMOTO, Junji (USA)  
Texas Water Development Board
- 2-009 Monsoonal Variability in the Hydrography of the Gulf of Aden and Southern Red Sea  
Prof. ABDALLAH, Abdallah MOHAMED (EGYPT)  
Oceanography Department, Faculty of Science, University of Alexandria
- 2-113 The Survey of Dioxins Distribution in Tokyo Bay"  
Prof. HOSOMI, Masaaki (JAPAN)  
Department of Chemical Engineering, Tokyo University of Agriculture and Technology
- 2-048 Remote Sensing and Gis for the Development of a Model for Interaction between Fresh Water and Sea Water - a Case Study from India  
Dr. MAREDDY, Anji REDDY (INDIA)  
I.P.G.S.R Centre for Environment Jawaharlal Nehru Technological University

13:30-15:00 **Session2-5**

Chair Prof. JANSSON, Bengt-Owe

- 2-041 Scientific Input for Environmental Management of Coastal Areas. The Case of the Adriatic Sea  
Prof. JURAČI, Mladen (CROATIA)  
Faculty of Science, University of Zagreb
- 2-063 Comprehensive Basin-Wide Planning of Sewerage Systems  
Mr. UCHIDA, Tsutomu (JAPAN)  
Watershed Management Office, Ministry of Land, Infrastructure and Transport
- 2-080 Finnish Strategies for Reduction and Control of Effluents to the Marine Environment: Examples from Agriculture, Municipalities and Industry  
Dr. KOHONEN, Tapani (FINLAND)  
Finnish Ministry of the Environment, Environmental Protection Department
- 2-357 5th Attempt of Japanese Government for Control of Water Quality"  
Mr. ARAKI, Tomonori (JAPAN)  
Ministry of Environment, Japan

15:30-17:00 **Summary Session**

Coordinator : Prof. JANSSON, Bengt-Owe  
Vice-Cordinator : Prof. MATSUDA, Osamu  
Rapporteur : Mr. CARROLL, David A. C.

第3分科会 テーマ「沿岸域の環境修復・創造と都市再生に向けた取り組み」 本館B1 布引・北野  
 コーディネーター エルダール・オーザン（トルコ・中東工科大学教授）  
 バイスコーディネーター 盛岡 通（大阪大学大学院工学研究科環境工学教授）  
 ラポーター 細川 恭史（国土交通省国土技術政策総合研究所沿岸海洋研究部長）  
 口頭発表

9:00-10:30 **Session3-3**

Chair Prof. SAKAI, Tetsuo

- 3-092 Set-up of a Decision Support System to Support Sustainable Development of the Laguna De Bay  
 Mr. NAUTA, Tjitte A. (PHILIPPINES)  
 Laguna Lake Development Authority
- 3-347 Recognition as One of the World's Most Livable Communities  
 Mr. FRIERSON, James W. (USA)  
 Chattanooga Times Free Press
- 3-355 Case of the "Japan Flora 2001" Site, Restoration of Greenery on the Bedrock Slope  
 Mr. HASEGAWA, Kozo (JAPAN)  
 Public Enterprise Agency, Hyogo Prefectural Government
- 3-298 Comprehensive Education for Coastal Zone Management  
 Prof. GHOSH, Santosh KUMAR (INDIA)  
 (Hony President) Centre for Built Environment

11:00-12:30 **Session3-4**

Chair Dr. ZAKIR.Hossain Md.

- 3-266 Ecosystematic Methods of Selecting Appropriate Technology for Recovering the Estuarine Environment  
 Dr. SHIGEMATSU, Takaaki (JAPAN)  
 Osaka City University Graduate School
- 3-268 A Quantitative Survey Technic for the Assessment of Waterfront Patrimonial and Indicator Marine Species  
 Prof. MEINESZ, Alexandre (FRANCE)  
 GIS-Posidonie (NGO)-University of Nice-Parc Valrose
- 3-316 Improvement of Water Quality and Sediment Quality by Sand Cover and Dredging Methods in Osaka Bay  
 Dr. HAN, Dongjin (JAPAN)  
 Hydro-soft Technology Institute Co.Ltd.
- 3-135 Reproduction of Ecosystems in Artificial Pebble and Rock Beach  
 Prof. SAKAI, Tetsuo (JAPAN)  
 Dept. of Civil Eng., Graduate School of Eng., Kyoto Univ.

13:30-15:00 **Session3-5**

Chair Mr. NAUTA, Tjitte A.

- 3-252 Three Different Management Options for Abandoned Shrimp Farm Rehabilitation in the Upper Gulf Coast of Thailand  
Dr. ZAKIR, Hossain MD. (THAILAND)  
Integrated Tropical Coastal Zone Management (ITCZM) Asian Institute of Technology (AIT)
- 3-006 Mangrove Restoration and Creation: A Suitable Natural Tool for Fragile Coastal Zone Management  
Mr. ABUHENA, Mustafa KAMAL (MALAYSIA)  
PhD Candidate (Aquatic Biology), Dept. of Biology, Universiti Putra Malaysia
- 3-164 Ecology and Restoration Techniques for Sargassum Beds in Seto Inland Sea, Japan  
Dr. TERAWAKI, Toshinobu (JAPAN)  
National Research Institute of Fisheries and Environment of Inland Sea, Fisheries Research Agency
- 3-328 Regeneration of Algal Beds in Enclosed Sea Waters - An Experiment at Kobe Port area  
Mr. HASHIMOTO, Kunio (JAPAN)  
City of Kobe, Environment Bureau

15:30-17:00 **Summary Session**

Coordinator : Prof. ÖZHAN, Erdal

Vice-Cordinator : Prof. MORIOKA, Tohru

Rapporteur : Dr HOSOKAWA, Yasushi

第4テーマ「沿岸域の環境保全と環境教育・実践活動」 南館B1 サファイア

コーディネーター ウェイン・ベル (米国・ワシントン大学環境社会センター所長)

バイスコordinater グローリア・スナイヴェリー (カナダ・ヴィクトリア大学教授)

ラポター 谷口 文章 (甲南大学文学部教授・人間科学科長)

口頭発表

9:00-10:30 **Session4-2**

Chair Dr. BELL, Wayne H.

- 4-021 Environmental Education and Information on Coastal Environment in Russia  
Prof. SOKOLOV, Nikolay V. (RUSSIA)  
Water Problems Institute of Russian Academy of Sciences
- 4-288 Environmental Education in North Western Europe: the Case of the North Sea  
Prof. DUCROTOY, Jean-Paul A. (UNITED KINGDOM)  
Institute of Estuarine and Coastal Studies, the University of Hull
- 4-341 Community-Based Coastal Resources Management in Cambodia  
Mr. KIM, Nong (CAMBODIA)  
Wetland, Watershed and Coastal Zone Natural Conservation and Protection,  
Ministry of Environment
- 4-173 Tideland Environmental Education Curriculum in the Ariake Sea Coastal area  
Ms. HAYAKAWA, Rumiko (JAPAN)  
World Wide Fund for Nature Japan, Conservation Department

11:00-12:30 **Session4-3**

Chair Dr. SURAPHOL, Sudara

- 4-254 Newspapers' Role and Limitations in Environmental Reporting Case Study: Isahaya Bay Land Reclamation Project Issue  
Ms. OHKURA, Yoshiko (JAPAN)  
Japan Environmental Action Network(JEAN)/Part-time Lecturer, International Student Center, Chiba University
- 4-263 NGOs and Community Based Organizations (CBOs) in ICAM Programmes in the Gulf of Guinea (West Africa)  
Prof. ADAM, Sikirou KOLAWOLE (BENIN)  
CEDA (Centre for Environment and Development in Africa) : NGO
- 3-055 Japanese Poets Fight to Save the Seto Inland Sea with Their Pens  
Prof. SHAPIRO, Harvey A. (JAPAN)  
DEPT OF ENVIRONMENTAL PLANNING, OSAKA GEIJUTSU UNIV.
- 4-272 Underprivileged High School Students are Provided the Opportunity to Participate in Scientific Research Performed in the Field of Environmental Science  
Ms. CHAMBERS, Patricia I. (USA)  
Stephen Decatur Middle School

13:30-15:00 **Session4-4**

Chair Mr. KUIJPER, Maarten

- 4-264 Environmental Education Through the Provincial Nature and the Green Manufacturing  
Mr. IIO, Yoshiyuki (JAPAN)  
Shizuoka Prefectural Hamamatsu Johoku Technical High School Director of Environment Club
- 4-362 The Environmental and Touristic Corridors and the Sustainable Development in the Coastal Seas in the Department of Choco, Colombia  
Dr. CONTO GARCIA, Jose H. (COLOMBIA)  
Choco Governor's Staff, Gobernacion del Choco
- 4-108 Coastal Environmental Education Through Role Integration by Professionals Towards Sustainable Development  
Prof. ALUNGAL, Balchand NARAYANANAIAK (INDIA)  
Centre for Integrated Management of Coastal Zones, CUSAT
- 4-346 Civil Volunteer Activities on Environmental Education and Environmental Conservation at the Coastal Areas in the Sea of Japan  
Mr. WATANABE, Masahiro (JAPAN)

15:30-17:00 **Summary Session**

Coordinator : Dr. BELL, Wayne H.

Vice-Coordinator : Prof. SNIVELY, Gloria

Rapporteur : Prof. TANIGUCHI, Fumiaki

第5分科会 テーマ「沿岸域環境管理における参加と連携」 南館B1 エメラルド

コーディネーター トーマス・ショーエンバウム(米国・ジョージア大学教授)

バイスコーディネーター 敷田 麻実(金沢工業大学環境システム工学科・土木工学科助教授)

ライター イピカ・トランピック(クロアチア国連環境計画優先行動計画/地域活動センター(PAP)所長)

口頭発表

9:00-10:30 **Session5-2**

- Chair Prof. EBARA, Akinori
- 5-232 The Model of Ecology Social Movement  
Ms. NAKAGAWA, Yoshie (JAPAN)  
Naturescape Co., Ltd., Green Consulting Dep.
- 5-057 Challenges Towards Multisectoral Approches for Coastal Zone Management :Studies in Selected Parts of Tamil Nadu State, India  
Dr. KRISHNAMOORTHY, Ramasamy (INDIA)  
Department of Applied Geology, School of Earth & Atmospheric Sciences, UNIVERSITY OF MADRAS
- 5-311 A GIS-based Decision Support System for Coastal Environmental Impact Assessment  
Dr. SHEN, Yiyang (JAPAN)  
Model Integration Group Frontier Research System for Global Change (FRSGC)
- 5-188 Effluent Trading for Water Quality Management: Concept and Application to the Chesapeake Bay  
Dr. NISHIZAWA, Eiichiro (JAPAN)  
Department of Economics, Hosei University

11:00-12:30 **Session5-3**

- Chair Prof. SCHOENBAUM, Thomas J.
- 5-234 Reformation of Coastal Manegement System in Japan  
Prof. EBARA, Akinori (JAPAN)  
KOBEGAKUIN UNIVERSITY
- 5-292 Planning and Governance Issues in Korea's Emerging Integrated Coastal Management  
Prof. KANG, Jung-woon (KOREA)  
Dept. of Public Administration, Changwon National University
- 5-043 Legal Challenges for Resolving Environmental Issues in the Coastal Zones of India  
Dr. PERIYADAN KATINHIPPALLY, Dinesh Kumar (INDIA)  
NATIONAL INSTITUTE OF OCEANOGRAPHY REGIONAL CENTRE, INDIA, REGIONAL CENTRE
- 5-384 Mitigating Marine Pollution Across Administrative Boudaries: Nohai Sea Environmental Management Project  
Dr. Huming Yu (CHINA)  
China Institute for Marine Development

13:30-15:00 **Session5-4**

- Chair Mr. TRUMBIC, Ivica
- 5-353 The Creation of a Coastal Zone Management System in the State of North Carolina: A Case Study  
Prof. SCHOENBAUM, Thomas J. (USA)  
School of Law, University of Geogia
- 5-005 The French Approach to Managing Water Resources in the Mediterranean and the New European Water Framework Directive  
Dr. HENOCQUE, Yves (FRANCE)  
IFREMER
- 5-038 Transboundary Consideration in Managing Coastal Resources  
Mr. JIANG, Yihang (THAILAND)  
Programme Officer, UNEP East Asian Seas Regional Co-ordinating Unit, (UNEP EAS/RCU)
- 5-011 Legal Status of Enclosed and Semi-Enclosed Seas  
Dr. GUNES, Sule (TURKEY)  
Middle East Technical University, International Relations Department

15:30-17:00 **Summary Session**

Coordinator : Prof. SCHOENBAUM, Thomas J.  
Vice-Coordinator : Dr. SHIKIDA, Asami  
Rapporteur : Mr. TRUMBIC, Ivica

分科会「海洋流出油の環境影響と対策セッション」 南館B1 トパーズ

平成9年1月に日本海で発生したナホトカ号重油流出事故をはじめ、世界各国で発生する海洋油流出事故は、広範囲に沿岸域各国の環境や社会経済に重大な被害をもたらすことが多い。そのため、国際的機関や関係各国が様々な対応策の検討やシステム構築並びに情報収集を行っており、また、産官学の幅広い連携が求められているところである。

このセッションでは、この分野で活躍する研究者等の発表を中心に、海洋流出油の環境影響と対策について討議を深めることとします。

コーディネーター 大和田 紘一（熊本県立大学環境共生学部教授）

バイスコーディネーター 岡田 光正（広島大学大学院工学研究科教授）

ラポーター 牧 秀明（独立行政法人国立環境研究所流域環境管理プロジェクト海域環境チーム研究員）  
口頭発表

9:00-10:30 **Oil Spills-1**

Chair Prof. KAWAI, Hiroshi

基調報告

- 7-394 Natural Resources Damages in the Case of Oil Spills  
Prof. SCHOENBAUM, Thomas J. (USA)  
School of Law, University of Georgia

基調報告

- 3-121 Effects of Oil Pollution on Tidal Flat and Sandy Beach Ecosystems - Deterioration of Seawater Infiltration by the Penetration of Oils into the Sediments-  
Prof. OKADA, Mitsumasa (JAPAN)  
Graduate School of Engineering, Hiroshima University
- 3-224 Effects of Spilled Oil on Microbial Communities in Tidal Flat  
Dr. KATAYAMA, Yoko (JAPAN)  
Faculty of Agriculture, Tokyo University of Agriculture and Technology
- 3-102 Crude Oil Bioremediation Field Experiment in the Sea of Japan  
Dr. MAKI, Hideaki (JAPAN)  
Coastal Environment Research Team, National Institute for Environmental Studies

11:00-12:30 **Oill Spills-2**

Chair Prof. OKADA, Mitsumasa

- 3-229 Study on the Effect of Water-Soluble Fractions of Heavy-oil onto Coastal Marine Ecosystem Using Mesocosm Facilities  
Prof. OHWADA, Kouichi (JAPAN)  
Faculty of Environmental and Symbiotic Sciences, Prefectural University of Kumamoto
- 3-176 Study on the Fate of Petroleum-Derived Polycyclic Aromatic Hydrocarbons(PAHs) and Their Accumulation in Mussels Using Enclosed Ecosystems, Mesocosms  
Ms. YAMADA, Mihoko (JAPAN)  
Faculty of Agriculture, Tokyo University of Agriculture and Technology
- 2-301 Mussel Watch" at the Crimea Coastal - Some Results of Long Term Oil Pollution Monitoring.  
Dr. OSADCHAYA, Tatyana S. (UKRAINE)  
Institute of Biology of the Southern Seas (IBSS), Department of Marine Sanitary Hydrobiology
- 1-076 Recovery of Organisms from Polyaromatic Hydrocarbons Contamination by Nakhodka Oil Spill  
Prof. KOYAMA, Jiro (JAPAN)  
Faculty of Fisheries, Kagoshima University

13:30-15:15 **Oill Spills-2**

Chair Prof. OHWADA, Kouichi

- 3-140 Impacts by Heavy-Oil Spill from Nakhodka on Inter-Tidal Ecosystem (1): An Approach to Impact Evaluation with Geographical Information System  
Dr. KOMATSU, Teruhisa (JAPAN)  
Ocean Research Institute, The University of Tokyo
- 3-270 Impacts by the Nakhodka Heavy-Oil Spill on the Inter-Tidal Ecosystem (2): Recovery of Macro-Algal Vegetation"  
Prof. KAWAI, Hiroshi (JAPAN)  
Kobe University Research Center for Inland Seas
- 3-248 Impacts by Heavy-oil Spill from Nakhodka on Inter-Tidal Ecosystem (3):Recovery of Animal Community  
Dr. YAMAMOTO, Tomoko (JAPAN)  
Kagoshima University, Faculty of Fisheries, Education and Research Centre for Marine Resources and Environment
- 2-335 Massive Environmental Degradation in Parts of the Oil Producing Areas of Niger Delta of Nigeria  
Prof. EGBOKA, Boniface EZEANYAOHA (NIGERIA)  
National Institute for Environmental Studies
- 3-110 Value of Coastal Ecosystem: Why and How Citizen's Preference Matter  
Prof. TAKEUCHI, Kenji (JAPAN)  
Graduate School of Economics, Kobe University

15:30-17:00 **Summary Session**

Coordinator : Prof. OHWADA, Kouichi

Vice-Cordinator : Prof. OKADA, Mitsumasa

Rapporteur : Dr. MAKI, Hideaki

9:00 ~ 19:30 ポスターセッション (南館1F 大輪田B)  
(17:30 ~ 19:30 コアタイム)

注：発表内容は20日と同じ