
WELCOME

Welcome to the 9th Indo-Pacific Fish Conference (IPFC9). This conference has attracted more than 500 people from 36 countries. An exciting program has been developed that incorporates 462 papers, including 328 oral and 134 poster presentations, making it the largest conference in terms of oral presentations in the history of the IPFC. As in the previous IPFCs, the main themes of IPFC9 include systematics, evolution, zoogeography and phylogeography, biodiversity, ecology, behavior, and conservation. We believe that Okinawa is an ideal location for this exciting conference because of its wonderful diversity of fishes in tropical waters. On the last day of the conference, we have organized several excursions to the Okinawa Churaumi Aquarium, the Shuri Castle, cultural areas, and diving spots in coral reefs. We welcome to you Okinawa and look forward to your participation and presentations at IPFC9.

Keiichi Matsuura

Curator Emeritus

National Museum of Nature and Science

ORGANIZING COMMITTEE

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SPONSORSHIPS

The IPFC9 is generously supported by large donations from the following organizations: Ichthyological Society of Japan; Okinawa Churashima Foundation; Nippura Company, Limited; Sumitomo Chemical Company, Limited

DONATIONS

We are grateful for donations from the following people and organizations: Izumi Akagawa, Kunio Amaoka, Hiromitsu Endo, Atsushi Fukui, Fukuyama Consultants Co., Ltd., Ysunori Furuya, Akira Goto, Kiyoshi Hagiwara, Kiyotaka Hatooka, Masayoshi Hayashi, Kazuo Hoshino, Yuji Ikeda, Hideyuki Imai, Hishashi Imamura, Tetsuo Iwami, Yuko Iwatsuki, Tetsuya Kaga, Osamu Katano, Seishi Kimura, Nobuhiro Kumazawa, Kohji Mabuchi, Ken Maeda, Keiichi Matsuura, Hiroyuki Motomura, Tetsuji Nakabo, Masanori Nakae, Yohei Nakamura, Yukinobu Nakamura, Mutsumi Nishida, Non-Profit Organization Shigotonin Club, Hiroko Ohno, Ryosuke Ohno, Makoto Okada, Muneo Okiyama, Okinawa Institute of Science and Technology, Orion Breweries, Ltd, Makoto Sakurai, Mitsuhiro Sano, Kunio Sasaki, Hiroshi Senou, Gento Shinohara, Takayuki Sonoyama, Hideki Sugiyama, Shigeo Tabata, Kazunori Tachihara, Tachihara Laboratory (University of the Ryukyus), Katsutoshi Watanabe, Shun Watanabe, Yoji Yamada, Takeshi Yamakawa, Yusuke Yamanoue, Atsumi Yamasaki, and Taiga Yodo

CONFERENCE INFORMATION

Venue

Okinawa Convention Center

Mashiki 4-3-1, Ginowan, Okinawa 901-2224, Japan

Phone: +81-98-898-3000; Fax: +81-98-898-2202; e-mail: oki-conven@ocvb.or.jp;

URL: <http://www.oki-conven.jp/en.html>

Welcome Reception

A Welcome Reception will be held from 6 p.m. to 8 p.m. on 23 June in the Laguna Garden Hotel, which is located near the conference venue. The pre-registered participants who attend the Welcome Reception will receive a conference bag containing a program, abstract book and other items.

Registration and Information Desks

The registration and information desks are located in the foyer of Conference Building A of the Okinawa Convention Center from 24 to 27 June 2013. Pre-registered participants will receive a conference bag containing a program, abstract book and other items. On-site registration is also available.

T-shirts

T-shirts are available for purchase or pickup (if you pre-registered) at the registration and information desks.

Secretariat Room

The Secretariat Room is located at Room A3 on the first floor of Conference Building A. Opening times are from 08:30 to 17:30 from 24 to 27 June.

Guideline for Presentations

Oral Presentations

The time allotted for each paper is 15 minutes, including a few minutes for questions. A single screen is set up in each conference room. The Organizing Committee would appreciate it, if you could kindly provide your presenting material saved on a USB device or CDR to staff members in the preview room (A3) at least 12 hours before your presentation. A Windows laptop computer (PC) will be set up in each conference room. It is strongly recommended that presentations are given using PowerPoint rather than other software. If you want to use your own PC (e.g., Macintosh) and/or other software, we strongly suggest you check that your presentation runs properly in the preview room (A3) before you present your talk. There may be compatibility problems between your PC (and/or software) and LCD projector. You may also be able to test your PC at each conference room in coffee breaks and lunch breaks.

Poster Presentations

Please mount your poster on the board according to your assigned poster number. The poster numbers are shown on the boards. Please refer to the poster numbers shown in this booklet.

Wireless Internet Service

Wireless internet is available inside the conference buildings.

Name Badges

Participants are requested to wear their name badges during the conference and all excursions (with the exception of when you are diving!). The Organizing Committee reserves the right to refuse entry to any participant without a proper name badge.

Dress

Dress code during the IPFC9 including the Welcome Reception is smart casual.

Coffee Breaks and Lunch

Coffee, tea and soft drinks are provided free in assigned spaces. Participants who ordered lunch boxes during pre-registration, will be provided with lunch boxes during lunch breaks. Lunch box vendors should come to the venue every day. You may wish to have lunch at a restaurant at the venue or a restaurant close to the venue.

Farewell Party

The farewell party will be held at a food court in the Duty Free Shop building attached to Omoromachi monorail station. The party will start at 6 p.m.

Excursions

There are six excursions on 28 June: Okinawa Churaumi Aquarium and the central and northern Okinawa cultural tour; Okinawa Churaumi full enjoyment tour; Shuri and Naha sightseeing tour; one-day boat dive tour to Kerama Islands; half-day (morning) dive tour to Ginowan offshore area; and half-day dive (afternoon) to Ginowan offshore area. All excursion participants can catch a bus from the assigned area in front of the Hotel Hokke Club near Omoromachi monorail station and the Laguna Garden Hotel. On-site excursion registrations are available, but you are strongly recommended to come to the registration desk at your earliest convenience to ensure you secure a place on the excursion..

Access to Naha Airport

Monorail trains (Yui-rail) run roughly every 10 minutes between Naha airport station and Shuri station. It takes around 30 minutes between the two terminals.

Banks

Banks are opened from 9 a.m. to 3 p.m. on weekdays.

Getting Japanese Currency using Credit Cards

Although credit cards are widely used in Japan, Japan is still cash-oriented society. You are strongly suggested to obtain adequate Japanese currency at international airports. You may exchange currency of your home country at major Japanese banks but you cannot get Japanese currency from ATMs of banks by using a non-Japanese credit card. Foreign credit cards however, can be used in ATMs at post offices to withdraw Japanese currency. Post office ATMs are available from 9:00 a.m. to 7:00 p.m. on weekdays and 9:00 a.m. to 5:00 p.m. on weekends and holidays. The following website may be useful: http://www.jp-bank.japanpost.jp/en/ias/en_ias_index.html

Insurance

The Organizing Committee is not responsible for insurance of participants against personal injuries, sickness, and theft or property damages incurred during the IPFC9 and excursions. It is strongly recommended that all participants take out their own travel and medical insurance prior to attending the IPFC9.

Buses in Okinawa

Route number is indicated on the front display of route bus. Please get on the bus with the appropriate route number.

Access from Naha Bus Terminal.

To the Okinawa Convention Center Bus Stop: Route Number, No.99 (takes 60 minutes) , Fare:¥550.

To the Mashiki Bus Stop: Route Numbers, No.120 and No. 20 (takes 45 minutes via Kokusai Street), Fare: ¥520.

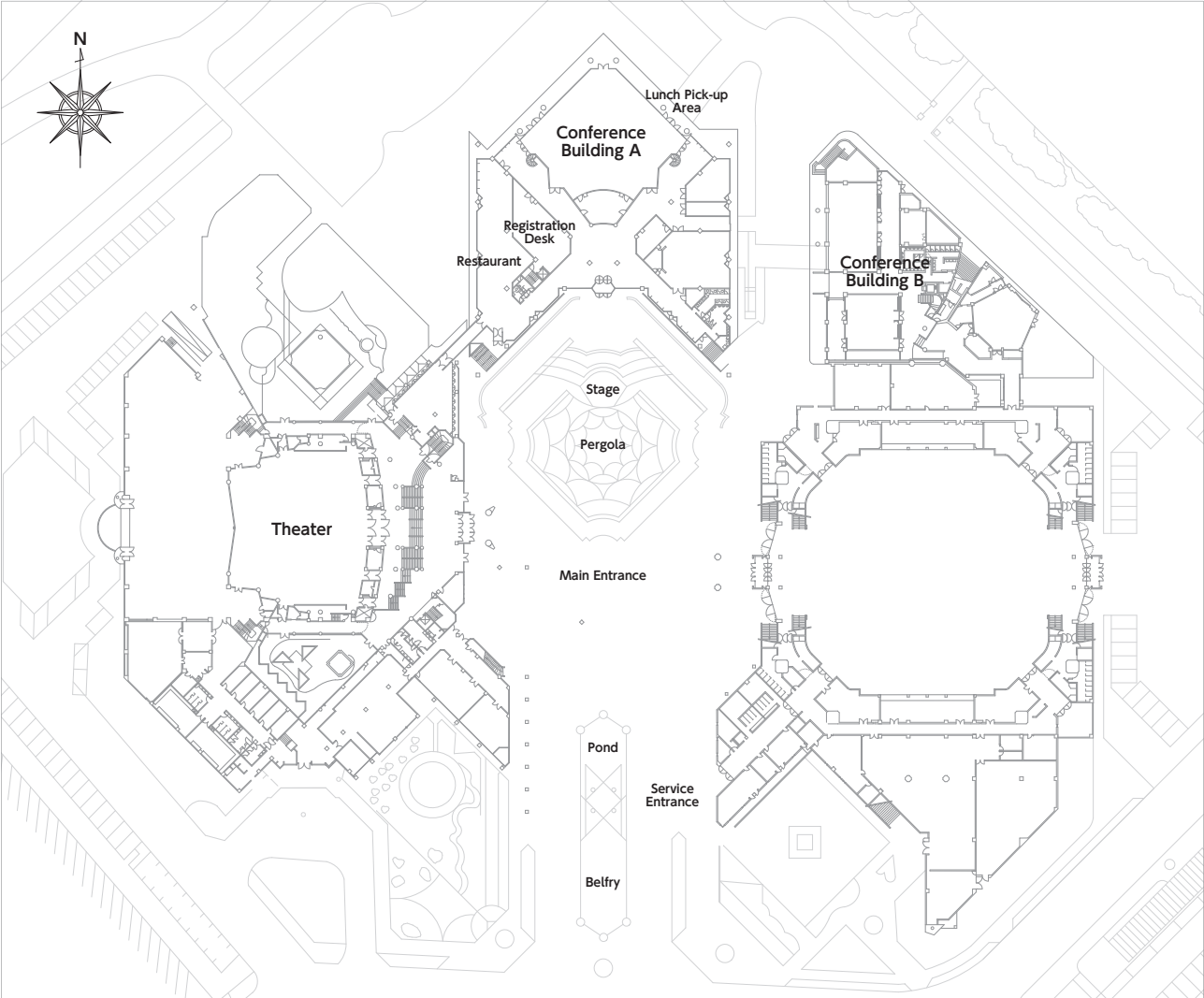
Access from Naha International Airport

Airport Limousine Bus (Hana Liner) is easily accessible on a road just in front of the airport. This limousine liner does not stop at the Convention Center. Please get off at the Laguna Garden Hotel bus stop and walk to the Convention Center for 10 minutes.

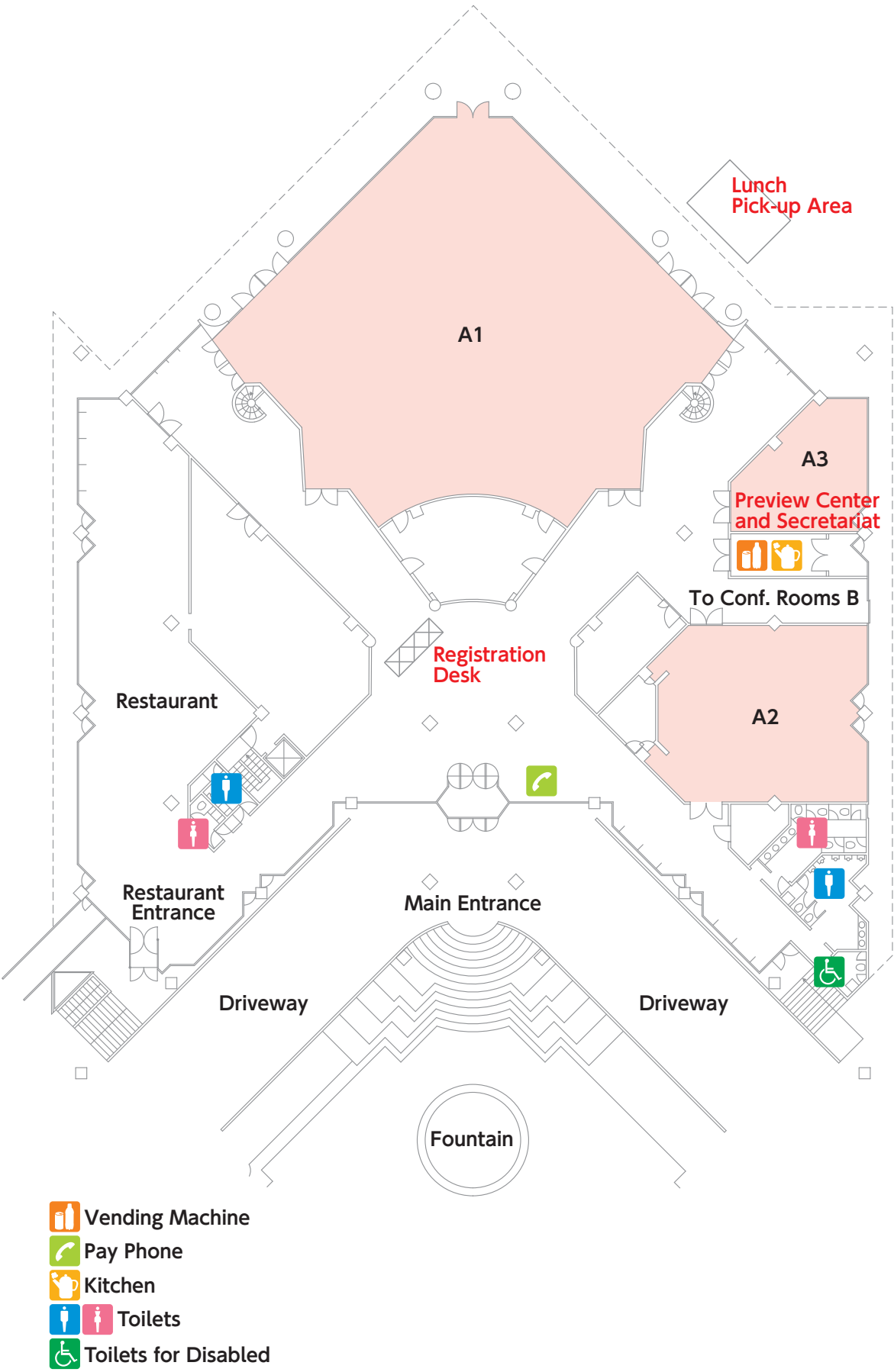
Access by the monorail to the bus terminal near Asahibashi monorail station.

It takes 11 minutes by monorail from the airport to Asahibashi monorail station (Fare:¥260). From Asahibashi monorail station to the bus terminal, it takes 3 minutes by walk.

Map of Venue



Conference Bldg. A

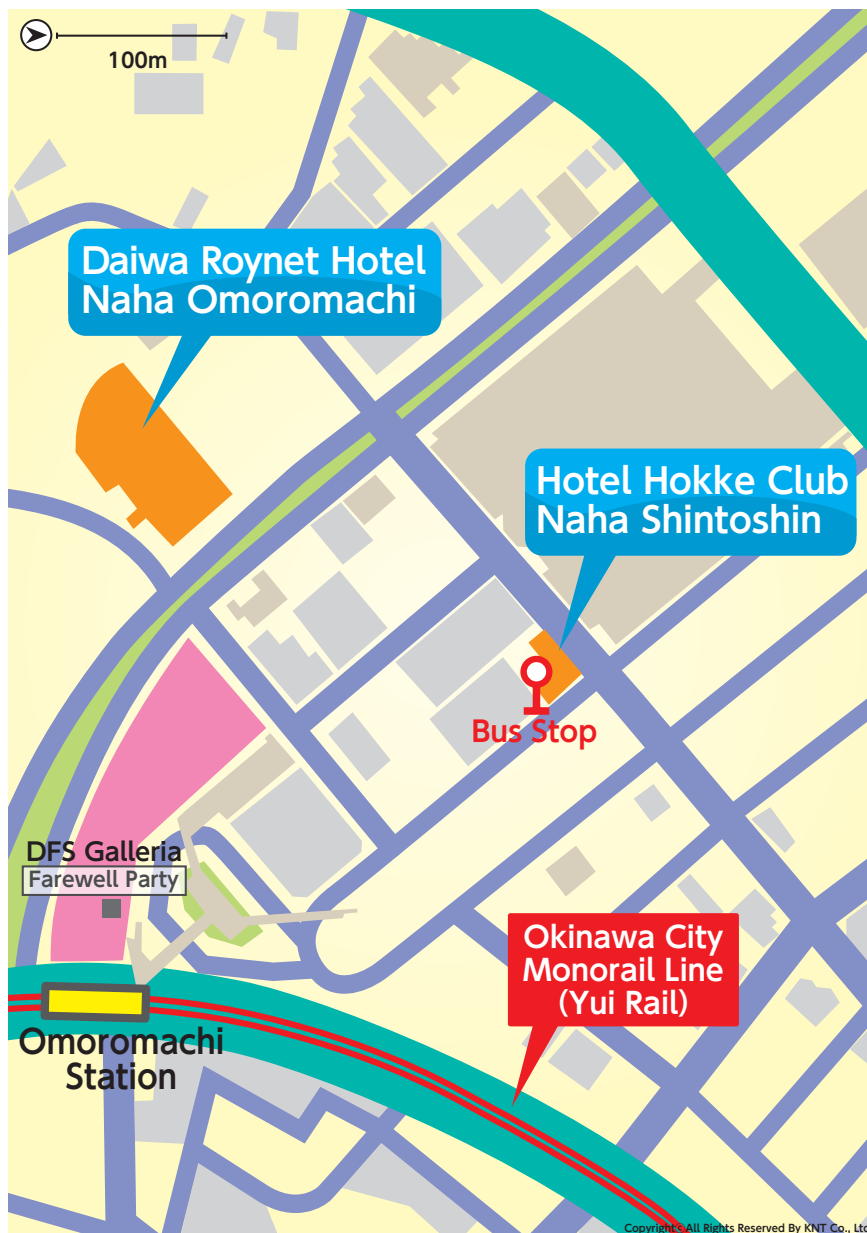


Conference Bldg. B



Shuttle Bus Service

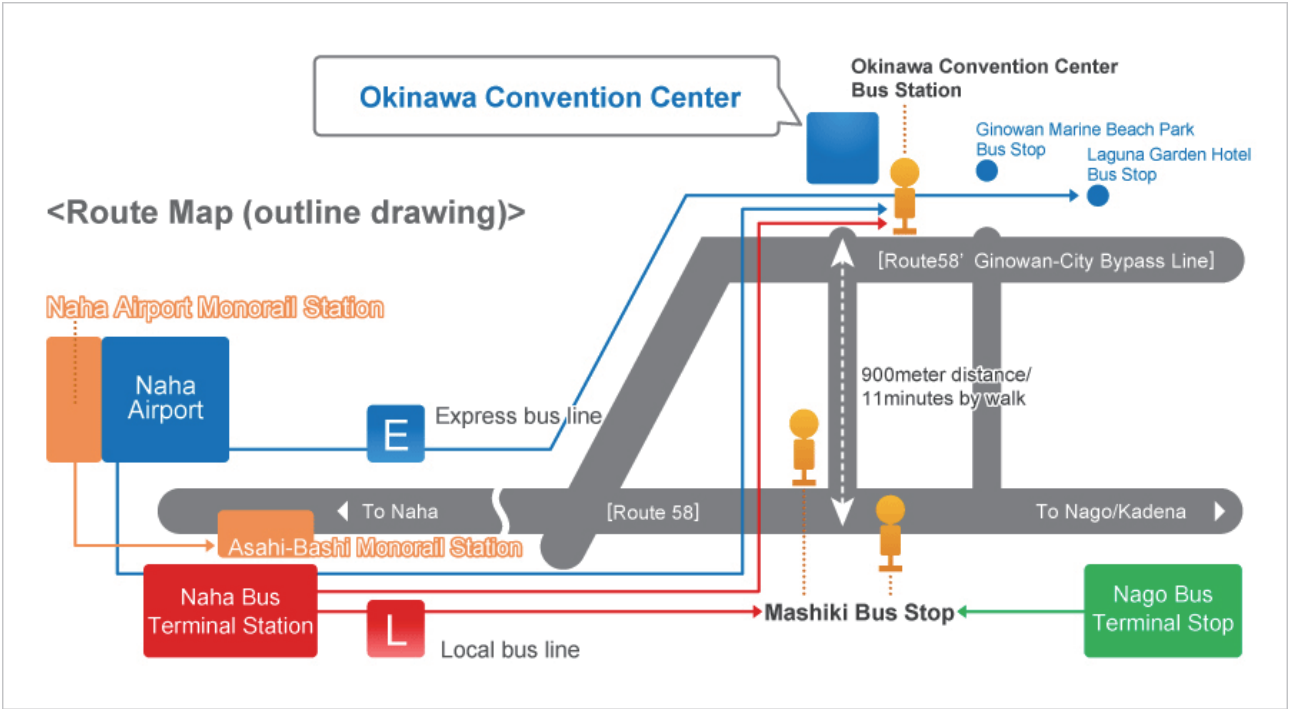
Free shuttle bus service will be provided to the participants who will attend the welcome reception to be held at the Laguna Garden Hotel in the evening of 23 June, only when you have replied to an e-mail questionnaire sent to you on 24 May. Free shuttle bus service will also be provided to the participants who are staying at the conference hotels through the WEB registration site of IPFC9 and have informed the Organizing Committee of their need for bus services. Participants who are staying at other hotels are able to use the bus services only after they have purchased bus registration: 4,000 yen in total for the 4-day conference; one-day ticket is not available



Shuttle Bus Time Table

23th June 2013	From Hotel Hokke Club Naha Shintoshin to Laguna Garden Hotel	Buses depart at 16:00 / 16:15 / 16:30 / 16:45 / 17:00 / 17:15 / 17:30
24th June 2013	From Hotel Hokke Club Naha Shintoshin to Okinawa Convention Center	Busses depart at 08:00
25th June 2013 - 27th June 2013	From Hotel Hokke Club Naha Shintoshin to Okinawa Convention Center	Busses depart at 08:15

Guide for Buses in Naha City and the Adjacent Areas
(Monorail trains run between Nahaairport and Shuri stations: Asahibashi station is located midway from the airport to Shuri.)



Oral Presentations (Monday 24 June 2013)

Room:	Theater		
08:00-08:50	Registration		
08:50-09:15	Opening Remarks		
09:15-09:30	Ceremony for Bleeker Award		
09:30-10:00	Bleeker Award Presentation		
10:00-10:30	Bleeker Award Presentation		
10:30-11:00	Coffee Break		
11:00-11:30	Keynote Speech: Thomas J. Near, <i>Yale University, USA</i>		
11:30-12:00	Keynote Speech: Philip L. Munday, <i>James Cook University, AUSTRALIA</i>		
12:00-12:30	Keynote Speech: Jeffrey M. Leis, <i>Australian Museum, AUSTRALIA</i>		
12:30-12:40	Group Photo		
12:40-14:15	Lunch		
Session	Session 1: <i>Symposium - Oceanic Islands</i>	Session 2: <i>Systematics / Distribution</i>	Session 3: <i>Symposium - Behavioral Ecology</i>
Chair	Iria Fernandez-Silva University of Hawaii, USA Joseph DiBattista King Abdullah University of Science and Technology, SAUDI ARABIA	Wouter Holleman SAIAB, SOUTH AFRICA	David Lecchini CRIOBE, FRANCE Yohei Nakamura Kochi University, JAPAN
Room:	A1	A2	B1
14:15-14:30	Sex, hues and ecological roles: how natural selection drives incipient divergence despite continuous gene flow in sympatric color morphs of the arceye hawkfish. Jonathan L. Whitney , University of Hawaii, USA	Comparative anatomy of <i>Biwia</i> and <i>Microphysogobio</i> (Cypriniformes, Cyprinidae, Gobioninae). Seigo Kawase , Kinki University, JAPAN	Sources and sinks of larvae among reefs of the Great Barrier Reef. Michael Kingsford , James Cook University, AUSTRALIA
14:30-14:45	Range-wide phylogeography of goatfishes of the genus <i>Mulloidichthys</i> . Iria Fernandez-Silva , University of Hawaii, USA	Phylogenetic insights into the evolution of Ostariophysi (Gonorynchiformes, Cypriniformes, Characiformes, Siluriformes, and Gymnotiformes) using ultraconserved elements. Prosanta Chakrabarty , Louisiana State University, USA	Reverse-assembly of a large-scale larval dispersal model. Gerrit Nanninga , King Abdullah University of Science and Technology, SAUDI ARABIA
14:45-15:00	Phylogeography and evolution of butterflyfish in the Subgenus <i>Corallochaetodon</i> : <i>Chaetodon lunulatus</i> , <i>Chaetodon trifasciatus</i> , <i>Chaetodon austriacus</i> , <i>Chaetodon melapterus</i> . Ellen Waldrop , University of Hawaii, USA	Taxonomy and distribution pattern of Japanese grenadiers (Gadiformes: Macrouridae). Naohide Nakayama , Kochi University, JAPAN	Importance of reproductive mode, PLD and local abundance on larval dispersal. Pablo Saenz-Agudelo , King Abdullah University of Science and Technology, SAUDI ARABIA
15:00-15:15	Reef fish hybridisation at biogeographic boundaries: butterflyfish hybrids at Christmas Island. Stefano R. Montanari , James Cook University, AUSTRALIA	Molecular systematics and biogeography of the Sciaenidae (Teleostei: Perciformes). Pei-Chun Lo , National Taiwan University, TAIWAN	
15:15-16:00	Coffee Break		

Session	Session 4: <i>Deep-sea Fishes / Gobies</i>	Session 5: <i>Symposium - Chondrichthyes</i>
Chair	Edward O. Murdy National Science Foundation –Tokyo Regional Office, JAPAN	William White CSIRO, AUSTRALIA Bernard Séret Museum national d'Histoire naturelle, FRANCE
Room:	B3+B4	B6+B7
14:15-14:30	Ontogenetic vertical migration of deep-sea fish revealed by oxygen isotopic analysis using secondary ion mass spectrometry. Jen-Chieh Shiao , National Taiwan University, TAIWAN	The Chondrichthyan Tree of Life Project. Gavin Naylor , College of Charleston, USA
14:30-14:45	Sex with the lights on: the evolution of the deep-sea swallows (Chiasmodontidae: Acanthomorphata). Marcelo R.S. Melo , Universidade Federal de São Paulo, BRAZIL	Jaws for the Tree of Life: Taxon-rich estimates of chondrichthyan phylogeny based on mitochondrial and nuclear DNA markers. Shannon Corrigan , College of Charleston, USA
14:45-15:00	Fishes of the families Bathylagidae and Microstomatidae in the exclusive economic zone of New Zealand. Ofer Gon , SAIAB, SOUTH AFRICA	Gould and me and the Tree of Life: Illustrating the World's Shark and Ray Species. Lindsay Marshall , Stick Figure Fish, AUSTRALIA
15:00-15:15	Gobioid fishes of the world - a photo-guide. Helen K. Larson , Museum and Art Gallery of the Northern Territory, AUSTRALIA	Scanning and segmentation of chondrichthyan skeletons for the Tree of Life: a progress report. John G. Maisey , American Museum of Natural History, USA
15:15-16:00	Coffee Break	

Chair	Iria Fernandez-Silva University of Hawaii, USA Joseph DiBattista King Abdullah University of Science and Technology, SAUDI ARABIA	G. David Johnson Smithsonian Institution, USA	David Lecchini CIRIOBE, FRANCE Yohei Nakamura Kochi University, JAPAN
Room:	A1	A2	B1
16:00-16:15	Hybridization and extensive introgression in Indo-Pacific sister species of surgeonfish . Joseph DiBattista , King Abdullah University of Science and Technology, SAUDI ARABIA	Comparative morphology and molecular based intrarelationships of sanddivers (Perciformes: Trichonotidae). Eri Katayama , National Museum of Nature and Science, JAPAN	Integrating larval behaviour, dispersal, habitat selection, and recruitment dynamics in a temperate reef fish metapopulation: identifying drivers of resilience in a changing ocean. Stephen E. Swearer , The University of Melbourne, AUSTRALIA
16:15-16:30	Hybridization between the endemic Hawaiian Sergeant Major, <i>Abudefduf abdominalis</i> , and a recent immigrant, <i>A. vaigiensis</i> . Richard R. Coleman , University of Hawaii, USA	The species of the clinin genus <i>Springeratus</i> and their distribution (Blennioidei: Clinidae). Wouter Holleman , SAIAB, SOUTH AFRICA	Winners and losers: Effects of dispersal on larval fish phenotypes and stability of a reef fish metapopulation. Jeffrey S. Shima , Victoria University of Wellington, NEW ZEALAND
16:30-16:45	Do endemic and widespread species exhibit different patterns of genetic connectivity? A phylogeographic comparison of Hawaiian endemic and Indo-Pacific damselfish species in the Hawaiian Archipelago. Kimberly Tenggardjaja , University of California, USA	Molecular identification of fish eggs in the Korean waters : focus on <i>Trichiurus japonicus</i> . Soo Jeong Lee , Pukyong National University, SOUTH KOREA	Sound propagation in the ocean: A case study in the North coast of Moorea, French Polynesia. Laetitia Berten , University of Liege, BELGIUM
16:45-17:00	A review of multispecies connectivity. Eric J. Tong , University of Hawaii, USA	Distributional and habitat characteristics of a rare hypogean gobiid, <i>Luciogobius pallidus</i> from Jeju Island, Korea (Perciformes: Gobiidae). Byung-Jik Kim , National Institute of Biological Resources, SOUTH KOREA	Orientation abilities and sensory cue hierarchy in reef-fish larvae using visual orientation. Jack O'Connor , University of Technology Sydney, AUSTRALIA
17:00-17:15		Gradient variation of quantitative traits among flatfish species (Teleostei: Pleuronectidae): testing different adaptive hypotheses. Kirill Vinnikov , University of Hawaii, USA	Preference of fish larvae for coral above algal water cues: Potential implications in the context of coral reef degradation. David Lecchini , CIRIOBE, FRANCE

Chair	Edward O. Murdy National Science Foundation – Tokyo Regional Office, JAPAN	William White CSIRO, AUSTRALIA Bernard S��ret Museum national d'Histoire naturelle, FRANCE
Room:	B3+B4	B6+B7
16:00-16:15	The systematics and diversity of eel gobies (Gobioidei: Amblyopinae): Status report for 2013. Edward O. Murdy , National Science Foundation –Tokyo Regional Office, JAPAN	Molecular phylogeny of Squaliformes: targeted gene capturing methods allow insights into the phylogeny and evolution of dogfish sharks. Nicolas Straube , College of Charleston, USA
16:15-16:30	A preliminary revision of the eel goby, genus <i>Trypauchenopsis</i> (Gobiidae, Amblyopinae), with molecular approach. Takaki Kurita , University of the Ryukyus, JAPAN	Capturing protein-coding genes across divergent species and its implication in evolutionary biology. Chenhong Li , Shanghai Ocean University, CHINA
16:30-16:45	Ontogenetic shifts in mechanisms of competitive coexistence between coral-dwelling gobies. Pedro H. C. Pereira , James Cook University, AUSTRALIA	Phylogenetic relationships among major groups of living elasmobranchs: a morphological perspective. Marcelo R. de Carvalho , Universidade de S��o Paulo, BRAZIL
16:45-17:00	Diversity of sand or sandy mud-dwelling gobiine genera in brackish estuaries and adjacent areas in southern Japan. Koichi Shibukawa , Nagao Natural Environment Foundation, JAPAN	Rays: a guide to the world's fauna. Peter Last , CSIRO, AUSTRALIA
17:00-17:15	Review of the current state of knowledge of the systematics of gobioid fishes. Doug Hoese , Australian Museum, AUSTRALIA	Cranial morphology of <i>Cirrhitigaleus asper</i> (Merrett, 1973) and its implications for the systematics of the family Squalidae (Chondrichthyes: Squaliformes). Sarah T.V. de Figueir��do , Universidade de S��o Paulo, BRAZIL

Oral Presentations (Tuesday 25 June 2013)

Session	Session 6: <i>Symposium - Oceanic Islands Symposium - Fish Communities</i>	Session 7: <i>Distribution / Zoogeography</i>	Session 8: <i>Symposium - Behavioral Ecology Symposium - Percomorpha</i>
Chair	09:00-11:30 Iria Fernandez-Silva University of Hawaii, USA Joseph DiBattista King Abdullah University of Science and Technology, SAUDI ARABIA	Kazumi Hosoya Kinki University, JAPAN	David Lecchini CRIOBE, FRANCE Reiji Masuda Kyoto University, JAPAN
Room:	A1	A2	B1
09:00-09:15	Resolving taxonomic confusion in the sea chubs (F. Kyphosidae) Steen W. Knudsen , University of Auckland, NEW ZEALAND	Recent status of the freshwater fishes of Babeldaob Island, Palau. Masubed Tkel , Ministry of Education, PALAU	Recruitment of tropical fishes in expanding coral habitats on the temperate coasts of Japan. Yohei Nakamura , Kochi University, JAPAN
09:15-09:30	The origins of herbivory in kyphosids (F. Kyphosidae) and related taxa. Kendall D. Clements , University of Auckland, NEW ZEALAND	Fish fauna investigated by four methods in the eastern coastal waters off Korea. Jeong-Ho Park , National Fisheries Research and Development Institute, SOUTH KOREA	Little fishes and big tides: Larval fish assemblages over a macro-tidal, tropical, continental shelf off the Kimberley, north-western Australia. Lynnath E. Beckley , Murdoch University, AUSTRALIA
09:30-09:45	Geographic and evolutionary patterns in the demography of scarine labrids, Parrotfishes. J. Howard Choat , James Cook University, AUSTRALIA	Attempt to reconstruct the past fish fauna of the Shubuto River System, SW Hokkaido, Japan using museum specimens and interviews. Yusuke Miyazaki , The University of Tokyo, JAPAN	Suspended sediment threatens larval development of a coral reef fish. Amelia Wenger , James Cook University, AUSTRALIA
09:45-10:00	Darwin's fishes: Marine speciation in the Galápagos Archipelago. Giacomo Bernardi , University of California, USA	Lessepsian (Red Sea to Mediterranean) Fish Migration: From DNA to taxonomy. Daniel Golani , Hebrew University of Jerusalem, ISRAEL	Factors affecting the occurrence patterns of two anemonefishes: an application of metapopulation model to marine organisms. Masaaki Sato , Hokkaido University, JAPAN
10:00-10:15	Phylogeography of the Manybar Goatfish, <i>Parupeneus multifasciatus</i> , reveals isolation of the Hawaiian archipelago and a cryptic endemic lineage in the Marquesas. Zoltán Szabó , Hawaii Institute of Marine Biology, USA	Genetic isolation among gizzard shad <i>Nematalosa japonica</i> (Clupeidae) populations. Hideyuki Imai , University of the Ryukyus, JAPAN	Wave-driven water motion affects escape responses in juvenile coral reef fishes. Dominique G. Roche , The Australian National University, AUSTRALIA
10:15-10:30	Marine lakes in Palau are "Islands" for marine species. Ryo O. Gotoh , Yamagata University, JAPAN	Higher genetic diversity in an extinct Okinawajima Island population of Ryukyu-ayu than endangered Amami-oshima Island populations. Muhamad Fadry Abdullah , University of the Ryukyus, JAPAN	Recruitment of fishes to coastal reef habitats after the heavy disturbance by the tsunami in northeast Japan. Reiji Masuda , Kyoto University, JAPAN
10:30-11:00	Coffee Break		

Session	Session 9: <i>Gobies / Reproductive biology / Taxonomy</i>	Session 10: <i>Symposium - Chondrichthyes</i>
Chair	Helen K. Larson Museum and Art Gallery of the Northern Territory, AUSTRALIA	Peter Last CSIRO, AUSTRALIA David A. Ebert Pacific Shark Research Center, USA
Room:	B3+B4	B6+B7
09:00-09:15	Population structure of <i>Stiphodon rutilaureus</i> (GOBIIFORMES: SICYDIINAE) in the New Georgian Islands, Solomon Islands.. David Boseto , Texas A&M University, USA	Redescription of <i>Centrophorus granulosus</i> (Squaliformes, Centrophoridae), a senior synonym of <i>C. acus</i> and <i>C. niaukang</i> . William White , CSIRO, AUSTRALIA
09:15-09:30	Evolution of microhabitat association and morphology in a diverse group of cryptobenthic coral reef fishes (Teleostei: Gobiidae: <i>Eviota</i>). Luke Tornabene , Texas A&M University, USA	Taxonomic review of the cookie-cutter sharks, genus <i>Isistius</i> Gill, 1865 (Chondrichthyes: Squaliformes: Dalatiidae). Flávia de F. Petean , Universidade de São Paulo, BRAZIL
09:30-09:45	Assessment of the potential use of morphological and pigmentation characters during larval development for phylogenetic analysis of Gobiidae. Tony Miskiewicz , Wollongong City Council, AUSTRALIA	Morphology and taxonomy of Southwestern Atlantic species of <i>Squatina</i> , with possible implications for the taxonomy of Indo-Pacific angelshark species (Chondrichthyes: Squatiniformes). Diego F.B. Vaz , Universidade de São Paulo, BRAZIL
09:45-10:00	Reexamination of commensal goby, <i>Bryaninops</i> (Teleostei: Gobiidae) collected from Japan. Yuji Ikeda , Imperial Household Agency, JAPAN	Phylogeny and zoogeography of the genus <i>Apristurus</i> (Scyliorhinidae). Keiichi Sato , Okinawa Churaumi Aquarium, JAPAN
10:00-10:15	Specific gravity and migratory pattern of two types of amphidromous gobies on Okinawa Island, Japan. Midori Iida , University of the Ryukyus, JAPAN	Color patterns and taxonomy of the swellsharks, genus <i>Cephaloscyllium</i> (Chondrichthyes: Carcharhiniformes: Scyliorhinidae) from the western North Pacific Ocean. Kazuhiro Nakaya , Hokkaido University, JAPAN
10:15-10:30	Scratching the surface - a BOL analysis of the <i>Trimma tevegae</i> grouping of reef gobies. Richard Winterbottom , Royal Ontario Museum, CANADA	<i>Gymnura crooki</i> Fowler, 1934: a junior synonym of <i>G. poecilura</i> (Shaw, 1804) (Chondrichthyes: Gymnuridae). Leandro Yokota , Universidade de São Paulo, BRAZIL
10:30-11:00	Coffee Break	

Chair	09:00-11:30 Iria Fernandez-Silva University of Hawaii, USA Joseph DiBattista King Abdullah University of Science and Technology, SAUDI ARABIA	Heok Hui Tan National University of Singapore, SINGAPORE	Masaki Miya Natural History Museum and Institute, Chiba, JAPAN Thomas J. Near Yale University, USA Peter Wainwright University of California, USA
	11:30-12:15 Andrew Hoey James Cook University, AUSTRALIA Morgan S. Pratchett James Cook University, AUSTRALIA		
Room:	A1	A2	B1
11:00-11:15	The role of peripheral endemism in species diversification. Jennifer R. Hodge , James Cook University, AUSTRALIA	Structure and diversity of the <i>Mugil cephalus</i> species complex in the Indo-Pacific Ocean. Jean-Dominique Durand , Institut de recherche pour le développement, FRANCE	Phylogenetics and diversification of Percomorpha —An introduction to the symposium 1. Masaki Miya , Natural History Museum and Institute, Chiba, JAPAN
11:15-11:30	Origins of tropical marine biodiversity. Brian W. Bowen , University of Hawaii, USA	Historical divergence followed by secondary contact in <i>Sebastes trivittatus</i> (Scorpaeniformes: Sebastidae). Nozomu Muto , Kyoto University, JAPAN	Phylogenetics and diversification of Percomorpha —An introduction to the symposium 2. Thomas J. Near , Yale University, USA
11:30-11:45	Shifts in the biological structure of coral reef habitats and effects on reef fishes. Morgan S. Pratchett , James Cook University, AUSTRALIA	Revisiting latitudinal diversity gradients in the Indo-West Pacific: Phylogeography of the flathead fishes (Platycephalidae). Melody Puckridge , University of Tasmania, AUSTRALIA	The evolution and history of fishes on coral reefs. David Bellwood , James Cook University, AUSTRALIA
11:45-12:00	The effect of habitat biodiversity on fish community structure: does the species pool matter? Sally J. Holbrook , University of California, USA	Molecular phylogeny and zoogeography of marine sculpins in the genus <i>Gymnocanthus</i> (Teleostei; Cottidae) based on mitochondrial DNA sequences. Aya Yamazaki , Hokkaido University, JAPAN	Rates of speciation and morphological evolution are correlated across ray-finned fishes. Michael E. Alfaro , University of California, USA
12:00-12:15	Cross-scale patterns of habitat structure and fish foraging behaviour. Kirsty Nash , James Cook University, AUSTRALIA	Population genetic structure of a pelagic marine fish, cobia (<i>Rachycentron canadum</i>). Jaros Phinchongsakuldit , Walailak University, THAILAND	Phylogenomics resolves the sister lineage of Percomorpha. Alex Dornburg , Yale University, USA
12:15-13:45	Lunch		

Chair	Helen K. Larson Museum and Art Gallery of the Northern Territory, AUSTRALIA	Peter Last CSIRO, AUSTRALIA David A. Ebert Pacific Shark Research Center, USA
Room:	B3+B4	B6+B7
11:00-11:15	Reproductive biology of four <i>Lutjanus</i> fishes (<i>L. gibbus</i> , <i>L. decussatus</i> , <i>L. fulvus</i> and <i>L. fulvivflammus</i>) around Yaeyama Islands, Okinawa, Japan. Tamaki Shimose , Seikai National Fisheries Research Institute, JAPAN	Distribution of neuromasts in the ventral lateral line canals of freshwater Stingrays (Chondrichthyes: Potamotrygonidae) from the Brazilian Amazon. Akemi Shibuya , Universidade de São Paulo, BRAZIL
11:15-11:30	Sexual plasticity of gonadal cells in the protogynous wrasse, <i>Halichoeres trimaculatus</i> . Ryo Nozu , University of the Ryukyus, JAPAN	Systematics and evolution of the highly diverse and morphologically complex Neotropical freshwater stingrays (Chondrichthyes: Potamotrygonidae). Marcelo R. de Carvalho , Universidade de São Paulo, BRAZIL
11:30-11:45	Reproductive characteristics of the Humbug dascyllus, <i>Dascyllus aruanus</i> in Chuuk Lagoon, Micronesia. Young-Ung Choi , Korea Institute of Ocean Science and Technology, SOUTH KOREA	Commented list of chondrichthyan fishes from La Reunion (South-western Indian Ocean). Bernard Séret , Museum national d'Histoire naturelle, FRANCE
11:45-12:00	Throwing light on the ichthyological work of F. L. de Castelnau: his unpublished notebooks and paintings. Barry C. Russell , Museum and Art Gallery of the Northern Territory, AUSTRALIA	Status and biodiversity of sharks in the United Arab Emirates. Rima W. Jabado , United Arab Emirates University, UAE
12:00-12:15	Japanese source materials and knowledge used by Cuvier & Valenciennes to describe Japanese fish in the early 19th century. Yuko Takigawa , Kagawa University, JAPAN	Inferring population dynamics of reef manta ray, <i>Manta alfredi</i> : multi-decadal observation, mark & recapture, and effective population size. Tom Kashiwagi , The University of Queensland, AUSTRALIA
12:15-13:45	Lunch	

Oral Presentations (Tuesday 25 June 2013)

Session	Session 11: <i>Symposium - Fish Communities</i>	Session 12: <i>Zoogeography</i>	Session 13: <i>Symposium - Percomorpha</i>
Chair	Andrew Hoey James Cook University, AUSTRALIA Morgan S. Pratchett James Cook University, AUSTRALIA	Gavin Gouws SAIAB, SOUTH AFRICA	Masaki Miya Natural History Museum and Institute, Chiba, JAPAN Thomas J. Near Yale University, USA Peter Wainwright University of California, USA
Room:	A1	A2	B1
13:45-14:00	Macroalgal-driven feedbacks and the role of herbivorous fishes of coral reefs. Andrew Hoey , James Cook University, AUSTRALIA	Two species managed as one stock? Genetic stock structure and a potential cryptic species in the spangled emperor (<i>Lethrinus nebulosus</i>) in the South Western Indian Ocean. Gavin Gouws , SAIAB, SOUTH AFRICA	Alone in the family: Phylogeny of monotypic and monogeneric percomorph lineages. Thomas J. Near , Yale University, USA
14:00-14:15	Different herbivorous fish assemblages remove <i>Sargassum</i> bioassays on reefs covered in coral vs. macroalgae. Karen Chong-Seng , James Cook University, AUSTRALIA	Phylogenetic analysis and biogeographic history of nearshore fishes that increase in diversity when moving away from the East Indies Triangle (Sparidae: <i>Acanthopagrus</i>). Te-Hua Hsu , National Taiwan Ocean University, TAIWAN	Origin, assembly and diversification of the modern coral reef fish fauna. Peter Wainwright , University of California, USA
14:15-14:30	Demographic and numerical responses of parrotfishes to landscape-scale destruction of reef-forming corals. Russell J. Schmitt , University of California, USA	Testing the core-periphery hypothesis: genetic signatures across the latitudinal range of the neon damselfish, <i>Pomacentrus coelestis</i> . Libby Liggins , The University of Queensland, AUSTRALIA	Paleogene adaptive radiation of tunas and their pelagic relatives revealed by bioinformatic and mitogenomic analyses. Masaki Miya , Natural History Museum and Institute, Chiba, JAPAN
14:30-14:45	Using functional characteristics of herbivorous fish communities to infer the vulnerability of coral reefs to phase shifts. Alistair J Cheal , Australian Institute of Marine Science, AUSTRALIA	Connectivity of <i>Amphiprion akallopisos</i> (Skunk Clown Fish) in the Indian Ocean. Filip Huyghe , Free University of Brussels, BELGIUM	Molecular systematics and historical biogeography of the perch-like fishes (Teleostei: Perciformes). Wei-Jen Chen , National Taiwan University, TAIWAN
14:45-15:00	Sediments suppress the functional roles of herbivorous fishes on coral reefs. Christopher Goatley , James Cook University, AUSTRALIA	Population genetics of a deep-sea demersal fish genus <i>Lycodes</i> in the Japan Sea and adjacent areas. Kei Sakuma , The University of Tokyo, JAPAN	A new rank-free and phylogeny-based classification of Acanthomorpha and Percomorpha, derived from an expanded molecular phylogeny of actinopterygians. Jon A. Moore , Florida Atlantic University, USA
15:00-16:00	Poster Presentations (B7) / Coffee Break		

Session	Session 14: <i>Taxonomy</i>	Session 15: <i>Chondrichthyes</i>
Chair	Thodore W. Pietsch University of Washington, USA	Atsuko Yamaguchi Nagasaki University, JAPAN Taketeru Tomita Hokkaido University Museum, JAPAN
Room:	B3+B4	B6+B7
13:45-14:00	How was a new anguillid species <i>Anguilla luzonensis</i> discovered in the western North Pacific? Mari Kuroki , The University of Tokyo, JAPAN	A novel pharyngeal expansion mechanism in the yellow-spotted fanray, <i>Platyrrhina tangi</i> (Elasmobranchii: Batoidea), with special reference to the function of the fifth ceratobranchial cartilage in batoids. Taketeru Tomita , Hokkaido University Museum, JAPAN
14:00-14:15	Osteology and taxonomy of the opsariichthine cyprinid fishes (Cypriniformes, Cyprinidae). Taiki Ito , Kinki University, JAPAN	Morphological studies on the electric organ of Japanese sleeper ray, <i>Narke japonica</i> . Jia-Yan Lin , National Taiwan Ocean University, TAIWAN
14:15-14:30	"Kunimasu", <i>Oncorhynchus kawamurae</i> Jordan and McGregor, 1925 (Salmoniformes: Salmonidae), rescued from extinction! Tetsuji Nakabo , Kyoto University, JAPAN	The Colombian species of angel sharks (Elasmobranchii: Squatinidae). Arturo Acero , Universidad Nacional de Colombia, COLOMBIA
14:30-14:45	Diversity and interrelationships of Indo-West Pacific Aulopidae. Martin F. Gomon , Museum Victoria, AUSTRALIA	Genetic structure and population connectivity of two shark species among three ocean basins in the Arabian region. Julia Spaet , King Abdullah University of Science and Technology, SAUDI ARABIA
14:45-15:00	Systematics and biology of the oceanic oarfish genus <i>Regalecus</i> , Part II. Tyson R. Roberts , Smithsonian Tropical Research Institute, THAILAND	Australian hybrid blacktip sharks <i>Carcharhinus limbatus</i> and <i>C. tilstoni</i> . Jess A.T. Morgan , The University of Queensland, AUSTRALIA
15:00-16:00	Poster Presentations (B7) / Coffee Break	

Chair	Andrew Hoey James Cook University, AUSTRALIA Morgan S. Pratchett James Cook University, AUSTRALIA	Gavin Gouws SAIAB, SOUTH AFRICA	Masaki Miya Natural History Museum and Institute, Chiba, JAPAN Thomas J. Near Yale University, USA Peter Wainwright University of California, USA
Room:	A1	A2	B1
16:00-16:15	Feeding in pairs: an ecological perspective. Simon J. Brandl , James Cook University, AUSTRALIA	Complex evolutionary history of marine fishes in tropical Indo-West Pacific region revealed by comparative phylogeography of emperor breams (Percomorpha: Lethrinidae). Wei-Jen Chen , National Taiwan University, TAIWAN	The evolution and diversification of Percomorpha: a 'deep time' perspective. Matt Friedman , University of Oxford, UK
16:15-16:30	Relationships between the areas of seagrass, mangroves and saltmarshes with commercial finfish catch in various types of NSW estuaries. Bruce Hodgson , Environment & Advisory, Aurecon Australia, AUSTRALIA	Contrasting population genetic structures among three species of <i>Acentrogobius</i> around the Japanese archipelago. Shoko Matsui , Kyoto University, JAPAN	UCE-based sequence capture enables robust phylogeographic reconstruction in fishes. Michael E. Alfaro , University of California, USA
16:30-16:45	Spawning ecology of black bream (<i>Acanthopagrus butcheri</i> , Sparidae: Munro 1949) in a changing environment. Joel Williams , University of Melbourne, AUSTRALIA	Finding panmixia and uncovering species boundaries: the case of sister unicornfishes (<i>Naso hexacanthus</i> and <i>Naso caesius</i>). John B. Horne , University of Algarve, PORTUGAL	Application of gene capture and next-generation sequencing technologies in the study of phylogenetic relationship of Gobioidae fishes. Ting Kuang , Shanghai Ocean University, CHINA
16:45-17:00	Good fences make good neighbours: experimental rehabilitation of the spawning habitat of <i>Galaxias maculatus</i> . Michael Hickford , University of Canterbury, NEW ZEALAND	Relationships within the surgeonfish genus <i>Prionurus</i> with comments on biogeography and evolutionary history. William B. Ludt , Louisiana State University, USA	
17:00-17:15	Evidence for endocrine disruption in two fisheries species from the Great Barrier Reef region. Frederieke Kroon , CSIRO, AUSTRALIA	Hybridisation of allopatrically distributed sister species, <i>N. elegans</i> and <i>N. lituratus</i> , in the east Indian Ocean. O. Selma Klanten , James Cook University, AUSTRALIA	

Chair	Thodore W. Pietsch University of Washington, USA	Atsuko Yamaguchi Nagasaki University, JAPAN Taketeru Tomita Hokkaido University Museum, JAPAN
Room:	B3+B4	B6+B7
16:00-16:15	Revision of the Indo-West Pacific ophidiid genera <i>Sirembo</i> and <i>Spottobrotula</i> (Ophidiiformes, Ophidiidae), with two new species. Jørgen G. Nielsen , Zoological Museum, Natural History Museum of Denmark, DENMARK	Movement, seasonal migration and habitat use of sharks and rays in Ariake Bay on the western coast of Kyushu, Japan. Atsuko Yamaguchi , Nagasaki University, JAPAN
16:15-16:30	Review of deep-sea batfish genus <i>Halieutopsis</i> (Lophiiformes: Ogcocephalidae), with descriptions of four new species. Hsuan-Ching Ho , National Museum of Marine Biology & Aquarium, TAIWAN	Vertical movement and site fidelity of grey reef sharks (<i>Carcharhinus amblyrhynchos</i>) at aggregation sites on a coral reef. Gabriel M.S. Vianna , The University of Western Australia, AUSTRALIA
16:30-16:45	An undescribed species of the lionfish genus <i>Pterois</i> from northeastern Australia (Scorpaenidae: Pteroinae). Mizuki Matsunuma , Kagoshima University, JAPAN	Using telemetry to understand the ecology of <i>Manta</i> spp. in the eastern Red Sea. Camrin D. Braun , King Abdullah University of Science and Technology, SAUDI ARABIA
16:45-17:00	Taxonomic revision of the family Hoplichthyidae (Teleostei: Scorpaeniformes). Yuki Nagano , Hokkaido University, JAPAN	
17:00-17:15	An undescribed species of the family Psychrolutidae (Actinopterygii, Scorpaeniformes) from Suruga Bay, Japan. Fumihito Muto , Tokai University, JAPAN	

Oral Presentations (Wednesday 26 June 2013)

Session	Session 16: <i>Symposium - Fish Communities Symposium - Environmental Extremes</i>	Session 17: <i>Zoogeography / Molecular Phylogeny</i>	Session 18: <i>Symposium - Ontogeny and Systematics</i>
Chair	<p>09:00-10:00 Andrew Hoey James Cook University, AUSTRALIA</p> <p>Morgan S. Pratchett James Cook University, AUSTRALIA</p>	Thomas J. Near Yale University, USA	<p>Izumi Kinoshita Kochi University, JAPAN</p> <p>Jeffrey M. Leis Australian Museum, AUSTRALIA</p>
	<p>10:00-12:15 Christopher Fulton The Australian National University, AUSTRALIA</p> <p>Brendan C. Ebner James Cook University, AUSTRALIA</p>		
Room:	A1	A2	B1
09:00-09:15	<p>Reef fish occupancy dynamics across a disturbed Great Barrier Reef.</p> <p>M. Aaron MacNeil, Australian Institute of Marine Science, AUSTRALIA</p>	<p>Fish radiations in Sulawesi, with emphasis on sailfin silversides of the ancient Malili Lakes.</p> <p>Fabian Herder, Zoologisches Forschungsmuseum Alexander Koenig, GERMANY</p>	<p>Systematics and evolution of moray eel leptocephali.</p> <p>Atsushi Tawa, Kyushu University, JAPAN</p>
09:15-09:30	<p>Contrasting effects of marine reserves and habitat change on coral reef fishes.</p> <p>Maya Srinivasan, James Cook University, AUSTRALIA</p>	<p>Past demography and present day population genetic processes in coastal fishes of the Arabian Seas region.</p> <p>Tilman J. Alpermann, Senckenberg Research Institute and Natural History Museum, GERMANY</p>	<p><i>Danionella dracula</i>, an escape from the cypriniform bauplan via developmental truncation?</p> <p>Kevin W. Conway, Texas A&M University, USA</p>
09:30-09:45	<p>Effectiveness of protection on reef fish assemblages in small Marine Protected Areas in Hong Kong, China.</p> <p>Hiu-Ning Leung, Chinese University of Hong Kong, CHINA</p>	<p>Habitat availability and heterogeneity and the Indo-Pacific warm pool as predictors of marine species richness in the tropical Indo-Pacific.</p> <p>Kent Carpenter, International Union for Conservation of Nature, SWITZERLAND</p>	<p>Development of the upper jaws in squirrelfishes and soldierfishes (Beryciformes: Holocentridae): A unique ontogenetic trajectory.</p> <p>G. David Johnson, Smithsonian Institution, USA</p>
09:45-10:00	<p>A comparison of visual and stereo-video based fish community assessment methods in tropical and temperate marine waters of Western Australia.</p> <p>Thomas H. Holmes, Department of Environment and Conservation, AUSTRALIA</p>	<p>The Caribbean sandwich: biogeographical revelations from shore-fishes.</p> <p>D. Ross Robertson, Smithsonian Tropical Research Institute, PANAMA</p>	<p>Larvae of two Indo-West Pacific anthiine fishes, <i>Giganthias immaculatus</i> and <i>Serranocirrhitis latus</i> (Perciformes: Serranidae).</p> <p>Yoshinobu Konishi, Seikai National Fisheries Research Institute, JAPAN</p>
10:00-10:15	<p>Extremes in diversity and distribution: amphidromous fish in small coastal streams.</p> <p>Brendan C. Ebner, James Cook University, AUSTRALIA</p>	<p>Genetic diversity and the effects of climate change on the distribution of three shared fishery species in the subtropical Western Indian Ocean.</p> <p>Monica Mwale, SAIAB, SOUTH AFRICA</p>	<p>Ontogenetic development of hapuku, <i>Polyprion oxygeneios</i> (Polyprionidae), and possible relationships based on larval characters.</p> <p>Tom Trnski, Auckland War Memorial Museum, NEW ZEALAND</p>
10:15-10:30	<p>How fish colonised tropical island freshwaters.</p> <p>Clara Lord, Muséum national d'Histoire naturelle, FRANCE</p>	<p>Mitochondrial phylogenomics to resolve the cypriniform tree of life: Higher-level and detailed relationships inferred from over 500 sequences.</p> <p>Kenji Saitoh, National Research Institute of Fisheries Science, JAPAN</p>	<p>Evidence for the presence of spines in scales of the Apogonidae (Pisces, Perciformes) and its ontogenetic and phylogenetic significance.</p> <p>Ofer Gon, SAIAB, SOUTH AFRICA</p>
10:30-11:00	Coffee Break		

Session	Session 19: <i>Taxonomy</i>	Session 20: <i>Chondrichthyes / Behavioral Ecology</i>
Chair	Martin F. Gomon Museum Victoria, AUSTRALIA	Kazuhiro Nakaya Hokkaido University, JAPAN Sho Tanaka Tokai University, JAPAN
Room:	B3+B4	B6+B7
09:00-09:15	Review of the apogonid fishes (Teleostei: Perciformes) in Japanese waters. Tomohiro Yoshida , Kagoshima University, JAPAN	Importance of environmental and biological drivers in the presence and space use of a reef-associated shark. Michelle Heupel , Australian Institute of Marine Science, AUSTRALIA
09:15-09:30	Ponyfish species survey from Peninsular Malaysian waters. Ying Giat Seah , Universiti Malaysia Terengganu, MALAYSIA	Accelerometry estimates in a free-living, benthic elasmobranch, the Common Stingaree (<i>Trygonoptera testacea</i>). Teagan Marzullo , The University of New South Wales, AUSTRALIA
09:30-09:45	<i>Chrysophrys</i> Quoy and Gaimard 1824, a valid generic name for Pacific species formerly used as <i>Pagrus</i> Cuvier 1816 and taxonomical review of the genus <i>Chrysophrys</i> (Perciformes: Sparidae). Yukio Iwatsuki , University of Miyazaki, JAPAN	Age, growth, and reproduction of the fanray, <i>Platyrrhina tangi</i> in the northeastern waters off Taiwan. Tzu-Chi Hsieh , National Taiwan Ocean University, TAIWAN
09:45-10:00	Generic status of the genus <i>Dentex</i> (Perciformes: Sparidae) on the bases of morphological characters and genetic analysis. Fumiya Tanaka , University of Miyazaki, JAPAN	Analyses of stomach contents of four large shark species in the northeastern waters off Taiwan. Chi Ju Yu , National Taiwan Ocean University, TAIWAN
10:00-10:15	Applying otolith morphology on sciaenid systematics. Mei-Yu Chang , Academia Sinica, TAIWAN	Stable isotope and signature fatty acid analyses show reef manta rays snack on surface zooplankton and feast on demersal zooplankton. Lydie I. E. Couturier , The University of Queensland, AUSTRALIA
10:15-10:30	A review of the genus <i>Pempheris</i> (Pempherididae) from the Indo-Pacific Ocean. Keita Koeda , University of the Ryukyus, JAPAN	Long-term observation of the clasper development and the serum concentration of testosterone in captive male whale shark at maturity. Rui Matsumoto , Okinawa Churaumi Aquarium, JAPAN
10:30-11:00	Coffee Break	

Chair	Christopher Fulton The Australian National University, AUSTRALIA Brendan C. Ebner James Cook University, AUSTRALIA	Thomas J. Near Yale University, USA	Izumi Kinoshita Kochi University, JAPAN Jeffrey M. Leis Australian Museum, AUSTRALIA
Room:	A1	A2	B1
11:00-11:15	Functional diversity in extreme environments: evolutionary mechanisms in waterfall-climbing amphidromous gobiids. Richard W. Blob , Clemson University, USA	Molecular phylogenetic and phylogeographic evidence of unrecognized diversity within nominal species of <i>Labeobarbus</i> (Actinopterygii: Cyprinidae) from Indian Ocean drainages and endorheic rivers of the Great Rift Valley of Kenya. Henry L. Bart , Tulane University, USA	Temporally and spatially overlapping distribution of larvae of the closely related two pagrines (<i>Evynnis japonica</i> and <i>Pagrus major</i>) in coastal Tosa Bay, southern Japan. Mai Hamamoto , Kochi University, JAPAN
11:15-11:30	Extremes at the micro-scale: flow velocity underpins microhabitat selection in gobies of the Australian Wet Tropic. James Donaldson , The Australian National University, AUSTRALIA	Evolutionary relationships of the enigmatic anglerfishes (Order Lophiiformes): Preliminary evidence from nuclear loci. Rachel J. Arnold , University of Washington, USA	Study of the diagnostic character of Scaridae larvae. Kei Miyamoto , Okinawa Churashima Foundation, JAPAN
11:30-11:45	Mapping extremes in freshwater fish diversity across a range of climatic provinces: documenting unique examples of phenotypic and biological adaptations in Western Australia. David L. Morgan , Murdoch University, AUSTRALIA	Phylogenetic analysis and molecular evolution of copulatory behavior in two cottid genera. Ang Li , Hokkaido University, JAPAN	Evolution of larval and juvenile pigment patterns in <i>Gymnogobius</i> fishes (Gobionellinae, Gobiidae). Shigeo Harada , Wakayama Prefectural Fisheries Experimental Station, JAPAN
11:45-12:00	Salted fish: a review of fishes in extreme salinity and how anthropogenic changes in salinity have driven community shifts in Western Australia. Stephen Beatty , Murdoch University, AUSTRALIA	The evolutionary history of the coral groupers (Epinephelidae: <i>Plectropomus</i>). Ka Yan Ma , James Cook University, AUSTRALIA	Ontogenetic close resemblance between two endemic gobies to Ariake Bay, western Japan, <i>Boleophthalmus</i> and <i>Odontamblyopus</i> belonging to different subfamily. Izumi Kinoshita , Kochi University, JAPAN
12:00-12:15	Flexibility and diversity of estuary-associated fishes under extreme salinity regimes. Alan K. Whitfield , SAIAB, SOUTH AFRICA	Inter-annual changes in genetic structures of hybrid populations of two largemouth bass subspecies in Japan based on SNPs analysis. Tadao Kitagawa , Kinki University, JAPAN	Larval study to find crypto-benthic gobies. Ken Maeda , Okinawa Institute of Science and Technology Graduate University, JAPAN
12:15-13:45	Lunch		

Chair	Martin F. Gomon Museum Victoria, AUSTRALIA	Kazuhiro Nakaya Hokkaido University, JAPAN Sho Tanaka Tokai University, JAPAN
Room:	B3+B4	B6+B7
11:00-11:15	A review of symphurine tonguefishes (Cynoglossidae: <i>Symphurus</i>) from Taiwanese waters. Mao-Ying Lee , Academia Sinica, TAIWAN	Difference between philosophy of conservation of organisms between Japan and other countries. Hajime Ishihara , W&I Associates Corporation, JAPAN
11:15-11:30	New Southern Pacific species of bothid flatfishes (Pleuronectiformes: Bothidae: <i>Lophonectes</i>). Thomas A. Munroe , Smithsonian Institution, USA	Hook vs net : The influence of gear type on shark population surveys. Adrian Gutteridge , The University of Queensland, AUSTRALIA
11:30-11:45	A new pufferfish of the genus <i>Torquigener</i> building "mystery circles" on a sandy bottom in the Ryukyu Islands with comments on other species of <i>Torquigener</i> (Tetraodontiformes, Tetraodontidae). Keiichi Matsuura , National Museum of Nature and Science, JAPAN	Latitudinal variation in mating competitiveness and mate choosiness in the Japanese medaka. Shingo Fujimoto , University of the Ryukyus, JAPAN
11:45-12:00	Virtual access to the Australian fish fauna. Dianne J. Bray , Museum Victoria, AUSTRALIA	Temporal sharing of spawning area between two species of the family Lutjanidae, <i>Symphorichthys spilurus</i> and <i>Lutjanus bohar</i> in southern Palau. Jiro Sakaue , Kitasato University, JAPAN
12:00-12:15	Species composition of fish eggs in northwest Pacific. Jina Oh , Korea Institute of Ocean Science & Technology, KOREA	Indirect effects of the cleaner fish <i>Labroides dimidiatus</i> on the coral reef benthos. Alexandra S. Grutter , The University of Queensland, AUSTRALIA
12:15-13:45	Lunch	

Session	Session 21: <i>Symposium - Environmental Extremes / Genetics</i>	Session 22: <i>Molecular Phylogeny / Fishery Biology</i>	Session 23: <i>Coral Reef Fishes</i>
Chair	Christopher Fulton The Australian National University, AUSTRALIA Brendan C. Ebner James Cook University, AUSTRALIA	Kent Carpenter International Union for Conservation of Nature, SWITZERLAND	David Bellwood James Cook University, AUSTRALIA
Room:	A1	A2	B1
13:45-14:00	Hybridisation - an evolutionary force for adaptation to extreme environments. Lynne van Herwerden , James Cook University, AUSTRALIA	Phylogenetic revamp of phenetic clingfish classification. Kevin W. Conway , Texas A&M University, USA	The reality of coral reef monitoring in remote field sites: a case study from the Bird's Head Seascape, Indonesia. Gabby Ahmadia , World Wildlife Fund, USA
14:00-14:15	Peat swamp miniatures-Just how many are there? Heok Hui Tan , National University of Singapore, SINGAPORE	A multi-locus timetree of surgeonfishes (Acanthuridae, Percomorpha). Laurie Sorenson , University of California, USA	Experimental removal of the introduced predator <i>Cephalipholis argus</i> in Puako, Hawaii; a community-based approach to coral reef ecosystem restoration. Jonatha Giddens , University of Hawaii, USA
14:15-14:30	Diversity and adaptation of tropical ichthyofaunas in turbid and macrotidal environments. Michael J. Travers , Western Australian Fisheries and Marine Research Laboratories, AUSTRALIA	Testing macroevolutionary scenarios in marine fishes by combining phylogenomic and paleobiological data. Francesco Santini , University of Torino, ITALY	Demography and reproductive biology of the white-streaked grouper <i>Epinephelus ongus</i> : estimation of the effect of restoring stock by conservation of spawning aggregation associated with consistent lunar cycle in the Yaeyama Islands, Okinawa. Itaru Ohta , Okinawa Prefectural Fisheries and Ocean Research Center, JAPAN
14:30-14:45	From physiology to physics: the strength of biotelemetry is its flexibility. Nicholas L. Payne , University of New South Wales, AUSTRALIA	Behaviour shapes evolutionary outcomes of hybridisation in a coral reef fish. Ashton Gainsford , James Cook University, AUSTRALIA	Behavioral patterns in corallivorous butterflyfish vary according to dietary specificity and environmental context. Mae Noble , The Australian National University, AUSTRALIA
14:45-15:00	Life history adaptations in fishes living in extreme environments: how far and how fast can fishes go? Martial Depczynski , The University of Western Australia, AUSTRALIA	Molecular characterization and phylogenetic analysis of four Indian cyprinid genera using mitochondrial CO1 gene. Arunachalam Manimekalan , Bharathiar University, INDIA	A ligament influences the diversification of damselfishes (Pomacentridae). Bruno Frédérick , University of Liège, BELGIUM
15:00-16:00	Poster Presentations (B7) / Coffee Break	International Steering Committee Meeting (A2)	Poster Presentations (B7) / Coffee Break

Session	Session 24: <i>Taxonomy / Morphology</i>	Session 25: <i>Behavioral Ecology</i>
Chair	Barry C. Russell Museum and Art Gallery of the Northern Territory, AUSTRALIA	Terry J. Donaldson University of Guam, USA
Room:	B3+B4	B6+B7
13:45-14:00	Biodiversity and DNA barcoding of cyprinid fishes in China. Shunping He , Chinese Academy of Sciences, CHINA	Reproductive behavior and habitat modifications of a temperate reef fish <i>Chromis crasma</i> (Pisces: Pomacentridae). Alejandro Perez-Matus , Pontificia Universidad Católica de Chile, CHILE
14:00-14:15	DNA barcoding of Western Indian Ocean fish species. Tuuli Mäkinen , SAIAB, SOUTH AFRICA	Wrasse mating sites and systems in relation to fish feeding stations. Terry J. Donaldson , University of Guam, USA
14:15-14:30	The new and improved Fishnet2. Michael H. Doosey , Tulane University, USA	Reproductive behaviour and site-fidelity in a coral reef fish (f. Apogonidae). Theresa Rüger , James Cook University, AUSTRALIA
14:30-14:45	Morphological diversity and function of spiracular organs in elasmobranch fishes. Minoru Toda , Okinawa Churashima Foundation, JAPAN	Coral trout choose the most effective moray collaborators. Alex Vail , University of Cambridge, UK
14:45-15:00	A comparative study on osteological and morphological variations of three Indian cyprinids of genus <i>Puntius</i> . A. Arunkumar , Bharathiar University, INDIA	Spawning migration and homing pattern of white-streaked grouper <i>Epinephelus ongus</i> determined by acoustic telemetry. Atsushi Nanami , Seikai National Fisheries Research Institute, JAPAN
15:00-16:00	Poster Presentations (B7) / Coffee Break	

Chair	<p>Christopher Fulton The Australian National University, AUSTRALIA</p> <p>Brendan C. Ebner James Cook University, AUSTRALIA</p>	<p>Kent Carpenter International Union for Conservation of Nature, SWITZERLAND</p>	<p>David Bellwood James Cook University, AUSTRALIA</p>
Room:	A1	A2	B1
16:00-16:15	<p>Pushed to extremes: do fishes display the phenotypic diversity and flexibility to meet future environmental challenges?</p> <p>Christopher Fulton, The Australian National University, AUSTRALIA</p>	<p>The evolution of basal actinopterygians revealed by gene capture and next-generation sequencing.</p> <p>Chenhong Li, Shanghai Ocean University, CHINA</p>	<p>Common surgeonfish remove macroalgal recruits within the epilithic algal matrix of coral reefs.</p> <p>Alyssa Marshall, The University of Queensland, AUSTRALIA</p>
16:15-16:30	<p>Genetic architecture of habitat-related divergence in body shape in <i>Gnathopogon</i> (Teleostei: Cyprinidae).</p> <p>Ryo Kakioka, Kyoto University, JAPAN</p>	<p>Molecular phylogeny of grunts and sweetlips (Perciformes, Haemulidae).</p> <p>Jose Tavera, University of California, USA</p>	<p>Diver surveys affect counts and behavioural response of fish across MPA boundaries.</p> <p>Steve Lindfield, The University of Western Australia, AUSTRALIA</p>
16:30-16:45	<p>Phylogeography of the Yellowfin Hind, <i>Cephalopholus hemistiktos</i>, reveals genetic discontinuity and cryptic speciation.</p> <p>Mark Priest, King Abdullah University of Science and Technology, SAUDI ARABIA</p>	<p>Drivers of temporal and spatial movement patterns in luderick <i>Girella tricuspidata</i> in NSW, Australia.</p> <p>Gwenael Cadiou, University of Technology, Sydney, AUSTRALIA</p>	<p>The effects of sea-level rise on reef-flat food webs.</p> <p>Alastair R. Harborne, The University of Queensland, AUSTRALIA</p>
16:45-17:00	<p>Detecting snapper (<i>Pagrus auratus</i>) larval dispersal from a New Zealand marine reserve: preliminary results.</p> <p>Agnes Le Port, The University of Auckland, NEW ZEALAND</p>	<p>The fishery biology of the Lethrinidae species in the Arabian Gulf.</p> <p>Saif M. AlGhais, The United Arab Emirates University, UAE</p>	<p>Effects of depth on the distribution, habitat use and specialisation of coral reef fishes.</p> <p>Matthew W. Jankowski, James Cook University, AUSTRALIA</p>
17:00-17:15	<p>Invasion genetics of Tilapiine species in Australia.</p> <p>Jennifer Ovenden, The University of Queensland, AUSTRALIA</p>	<p>Movement and spawning dynamics of emperorfishes in a marine reserve, based on acoustic telemetry.</p> <p>Brett Taylor, James Cook University, AUSTRALIA</p>	<p>13 years of expatriating tropical fish surveys: long enough???</p> <p>David J. Booth, University of Technology, Sydney, AUSTRALIA</p>

Chair	Barry C. Russell Museum and Art Gallery of the Northern Territory, AUSTRALIA	Terry J. Donaldson University of Guam, USA
Room:	B3+B4	B6+B7
16:00-16:15	Phylogenetic relationships of lizardfishes (Synodontidae, Aulopiformes). Monruedee Chaipayo , Hokkaido University, JAPAN	A biomechanics approach to feeding ecology of fish in the wild: an animal-attached gyroscope/accelerometer for detecting the different feeding behaviors of white-streaked grouper <i>Epinephelus ongus</i> . Yuuki Kawabata , Nagasaki University, JAPAN
16:15-16:30	Morphological characters of <i>Hypopleuron caninum</i> (Ophidiiformes: Ophidiidae). Shinpei Ohashi , Hokkaido University, JAPAN	Behavioral study of a facultative air-breathing fish, <i>Praealticus tanegashimae</i> (Blenniidae) on tide-pools of Kuchierabu-jima Island, southern Japan. Yuki Kimura , Hiroshima University, JAPAN
16:30-16:45	Feeding apparatus comparison between <i>Chromis notata</i> and <i>Chromis fumea</i> from Jeju, Korea. Young Sun Song , Pukyong National University, SOUTH KOREA	Homing behaviour in intertidal gobies: Linking brains, behaviour and ecology. Culum Brown , Macquarie University, AUSTRALIA
16:45-17:00	The use of otolith morphology in ichthyology. Werner Schwarzhans , University of Copenhagen, DENMARK	Habitat utilization pattern in the Picasso triggerfish (Tetraodontiformes: Balistidae) from Sesoko Island, Japan. Fabienne Künzli , University of the Ryukyus, JAPAN
17:00-17:15	Muscular system in <i>Gasterochisma melampus</i> (Scombridae). Masanori Nakae , National Museum of Nature and Science, JAPAN	Spawning behavior and paternal egg care in a circular structure constructed by a puffer, <i>Torquigener</i> sp. (Tetraodontidae). Hiroshi Kawase , Natural History Museum and Institute, Chiba, JAPAN

Session	Session 26: <i>Symposium - Genes to Genomes</i>	Session 27: <i>Fishery Biology / Life History</i>	Session 28: <i>Symposium - Top Predatory Fish</i>
Chair	<p>Luiz A. Rocha California Academy of Sciences, USA</p> <p>Michelle R. Gaither California Academy of Sciences, USA</p>	<p>Kathleen S. Cole University of Hawaii, USA</p>	<p>Colin A. Simpfendorfer James Cook University, AUSTRALIA</p> <p>Alexei M. Orlov Russian Federal Research Institute of Fisheries and Oceanography, RUSSIA</p>
Room:	A1	A2	B1
09:00-09:15	<p>The historical biogeography of coral reef fishes: global patterns of origination and dispersal.</p> <p>Peter F Cowman, The Australian National University, AUSTRALIA</p>	<p>On age and growth, feeding habits of <i>Semicossyphus reticulatus</i> (Labridae) in the western-central waters of the Seto Inland Sea.</p> <p>Yuichiro Ochi, Hiroshima University, JAPAN</p>	<p>Introduction.</p> <p>Alexei M. Orlov, Russian Federal Research Institute of Fisheries and Oceanography, RUSSIA</p>
09:15-09:30	<p>A phylogeographic approach to cataloguing marine biodiversity in the Red Sea.</p> <p>Michael Berumen, King Abdullah University of Science and Technology, SAUDI ARABIA</p>	<p>Fish production of the oil platforms off the coast of California, USA.</p> <p>Jeremy T. Claisse, Occidental College, USA</p>	<p>Trophic ecology of top predators: what have we learnt in the western Indian Ocean?</p> <p>Frédéric Ménard, Institut de Recherche pour le Développement, FRANCE</p>
09:30-09:45	<p>After continents divide: Comparative phylogeography of reef fishes from the Red Sea and Indian Ocean.</p> <p>Joseph DiBattista, King Abdullah University of Science and Technology, SAUDI ARABIA</p>	<p>Do unreachable area act as natural refugia? Ecology of tropical sea cucumbers and effects of fishing pressure.</p> <p>Haruko Koike, University of Hawaii, USA</p>	<p>Predator/prey interactions and the effect of harvesting predators on reef fish assemblages on the Great Barrier Reef, Australia.</p> <p>April Boaden, James Cook University, AUSTRALIA</p>
09:45-10:00	<p>Reproductive strategies of reef fishes predict both within-species genetic differentiation and within-family species richness.</p> <p>Cynthia Riginos, The University of Queensland, AUSTRALIA</p>	<p>Habitat use by an annual algal-grazing fish <i>Plecoglossus altivelis ryukyuensis</i> (Ryukyu-ayu) in a subtropical stream.</p> <p>Satoshi Awata, Niigata University, JAPAN</p>	<p>Functional diversity of large top predator fish community: monsoon matters in the Indian Ocean.</p> <p>Bastien Mérigot, Université Montpellier 2, FRANCE</p>
10:00-10:15	<p>Phylogeography of the black surperch <i>Embiotoca jacksoni</i>: evolutionary consequences of an apelagic lifestyle.</p> <p>Giacomo Bernardi, University of California, USA</p>	<p>Life history variation in non-migratory galaxiids: Implications for endangered species management.</p> <p>Peter Jones, University of Otago, NEW ZEALAND</p>	<p>Marine megafauna, <i>Manta alfredi</i> target multispecies surgeonfish spawning aggregations as a food source.</p> <p>Julie Hartup, University of Guam, GUAM</p>
10:15-10:30	<p>Progress towards a global molecular phylogeny for the cardinalfishes (family Apogonidae).</p> <p>Gavin Gouws, SAIAB, SOUTH AFRICA</p>	<p>Otolith chemistry of flathead mullet <i>Mugil cephalus</i> L. in the waters of Taiwan reveals variable patterns of habitat use.</p> <p>Chia-Hui Wang, National Taiwan Ocean University, TAIWAN</p>	<p>Ghosts of the coast: A first step toward understanding the ecosystem role of sawfishes.</p> <p>Lucy R. Harrison, Simon Fraser University, CANADA</p>
10:30-11:00	Coffee Break		

Session	Session 29: <i>Population Ecology</i>	Session 30: <i>Morphology / Behavioral Ecology</i>
Chair	Russel J. Schmitt University of California Santa Barbara, USA	Philip L. Munday James Cook University, AUSTRALIA
Room:	B3+B4	B6+B7
09:00-09:15	The importance of resource pulse timing to the response of cutthroat trout. Takuya Sato , Kyoto University, JAPAN	The taxonomy of ocean sunfishes (Tetraodontiformes: Molidae) with notes on changes in morphological characteristics with growth. Etsuro Sawai , Hiroshima University, JAPAN
09:15-09:30	Location and transport of eggs and larvae of Western Australian dhufish, <i>Glaucosoma hebraicum</i> (Richardson, 1845). Joanna Strzelecki , CSIRO, AUSTRALIA	What a drag: Large ectoparasites affect fish swimming performance and behavioural lateralization. Sandra A Binning , The Australian National University, AUSTRALIA
09:30-09:45	A general, yet not universal, beta-diversity-stability relationship for coral reef fishes of the Great Barrier Reef, Australia. Camille Mellin , Australian Institute of Marine Science, AUSTRALIA	Interactive drivers of activity in a free-ranging estuarine predator. Matthew D. Taylor , New South Wales Department of Primary Industries, AUSTRALIA
09:45-10:00	Important habitat characteristics for three key herbivorous fish species (Kyphosidae) in temperate waters. Aldo Turco , Edith Cowan University, AUSTRALIA	Habitat preferences of a corallivorous reef fish: predation risk versus food quality. Rohan M. Brooker , James Cook University, AUSTRALIA
10:00-10:15	Socotra Archipelago: coastal fish community and productivity dynamics in an upwelling environment. Uwe Zajonz , Senckenberg Research Institute and Natural History Museum, GERMANY	Removal of temperate predators opens opportunity for range shifts in tropical fishes. Hayden Beck , University of Technology Sydney, AUSTRALIA
10:15-10:30	Spatial patterns of fish assemblage structure in the Hawaiian archipelago: Identifying biogeographic patterns and species affinities. Mary K. Donovan , University of Hawaii, USA	The evolutionary and behavioral origin of fish migration: Escapement hypothesis. Katsumi Tsukamoto , The University of Tokyo, JAPAN
10:30-11:00	Coffee Break	

Chair	<p>Luiz A. Rocha California Academy of Sciences, USA</p> <p>Michelle R. Gaither California Academy of Sciences, USA</p>	<p>Kwang-Tsao Shao Academia Sinica, Taiwan</p>	<p>Colin A. Simpfendorfer James Cook University, AUSTRALIA</p> <p>Alexei M. Orlov Russian Federal Research Institute of Fisheries and Oceanography, RUSSIA</p>
Room:	A1	A2	B1
11:00-11:15	<p>Evolution of the pygmy angelfishes: recent divergence, introgression, and the usefulness of color in fish taxonomy.</p> <p>Luiz A. Rocha, California Academy of Sciences, USA</p>	<p>Age and growth of two lionfishes, <i>Dendrochirus zebra</i> and <i>Pterois volitans</i>, around Okinawa-jima Island.</p> <p>Shohei Koizumi, University of the Ryukyus, JAPAN</p>	<p>The role of non-resident sharks in shaping coral reef communities.</p> <p>Colin A. Simpfendorfer, James Cook University, AUSTRALIA</p>
11:15-11:30	<p>The convoluted evolutionary relationships among species of the Orangeband Surgeonfish complex: Using next-generation sequencing to resolve species histories.</p> <p>Michelle R. Gaither, California Academy of Sciences, USA</p>	<p>Comparative life history of sympatric Sillaginidae inhabiting southeast Australian coastal waters.</p> <p>Charles A. Gray, University of New South Wales, AUSTRALIA</p>	<p>Hotspots of interactions between whale sharks, marine mammals, and tropical tuna purse seine fishery in the Indian and Atlantic Oceans.</p> <p>Bastien Mériqot, Université Montpellier 2, FRANCE</p>
11:30-11:45	<p>Speciation with gene flow in coral reef fishes? Lessons from massively parallel sequencing of grunts (genus: <i>Haemulon</i>).</p> <p>Moisés A. Bernal, University of Texas, USA</p>	<p>Decadal scale change in biological character of <i>Lethrinus atkinsoni</i>, associated with population decline and environment degradations.</p> <p>Yuichi Akita, Okinawa Prefectural Fisheries and Ocean Research Center, JAPAN</p>	<p>Pelagic diversity highlighted by longline fisheries in the Indian Ocean.</p> <p>Frédéric Ménard, Institut de Recherche pour le Développement, FRANCE</p>
11:45-12:00	<p>Biogeography and the structure of coral reef fish communities at isolated islands on the Indo-Pacific biogeographic border.</p> <p>Jean-Paul A. Hobbs, The University of Western Australia, AUSTRALIA</p>	<p>How well do life-history traits explain species' vulnerability to overexploitation in parrotfishes?</p> <p>Brett Taylor, James Cook University, AUSTRALIA</p>	<p>Predicting MPA utilization for reef-associated sharks: an individual-based simulation approach.</p> <p>Mario Espinoza, James Cook University, AUSTRALIA</p>
12:00-12:15		<p>Demographic variation in a coral reef fish across ocean basins: from the Pacific Ocean to the Red Sea.</p> <p>Elizabeth D. L. Trip, Massey University, NEW ZEALAND</p>	<p>Relationship between diet composition of pelagic sharks and oceanographic condition around Hachijo Island, Izu Archipelago, Japan.</p> <p>Ikumi Sugiyama, Tokai University, JAPAN</p>
12:15-13:45	Lunch		

Chair	Russel J. Schmitt University of California Santa Barbara, USA	Philip L. Munday James Cook University, AUSTRALIA
Room:	B3+B4	B6+B7
11:00-11:15	The development and validation of a mid-water baited video technique for investigating spatial patterns and human impacts on pelagic fishes. Julia Santana-Garcon , The University of Western Australia, AUSTRALIA	Effects of global warming on coral trout populations (<i>Plectropomus leopardus</i>). Vanessa Messmer , James Cook University, AUSTRALIA
11:15-11:30	Management and depth protects creatures great and small in Fiji's largest marine reserve. Jordan Goetze , The University of Western Australia, AUSTRALIA	Diversity and risk of extinction in Indo-West Pacific Sciaenidae. Ning Labbish Chao , National Museum of Marine Biology and Aquarium, TAIWAN
11:30-11:45	Decreasing beta-diversity in fish communities along a depth gradient: evidence from repeated video deployments off New Zealand. Vincent Zintzen , Museum of New Zealand Te Papa Tongarewa, NEW ZEALAND	Assessment of an exploited <i>Cheilinus undulatus</i> population in Fiji - underwater visual census and catch data from a remote fishing community. Luke Dickens , C3 Fiji & South Pacific Islands Programme, FIJI
11:45-12:00	Trophic function of reef fish in tropical seagrass beds. Chen-Lu Lee , National Chung Hsing University, TAIWAN	Umbrellas can work underwater: bumphead parrotfish and seascape conservation. Andrew D. Olds , Griffith University, AUSTRALIA
12:00-12:15	Spatial and ontogenetic variation in the trophodynamics of a coral reef fish community. Andrew J. Brooks , University of California, USA	The sustainability myth: making management and conservation decisions in a reproductive biology information vacuum. Kathleen S. Cole , University of Hawaii, USA
12:15-13:45	Lunch	

Oral Presentations (Thursday 27 June 2013)

Session	Session 31: <i>Genetics</i>	Session 32: <i>Life History / Behavioral Ecology</i>	Session 33: <i>Symposium - Top Predatory Fish</i>
Chair	Luiz A. Rocha California Academy of Sciences, USA	Tom Trnski Auckland War Memorial Museum, NEW ZEALAND	Colin A. Simpfendorfer James Cook University, AUSTRALIA
Room:	A1	A2	B1
13:45-14:00	Taking an artisanal fishery into the Next Generation: Applying advanced genomics tools to a spatially explicit stock assessment of the Indo-Pacific fusilier <i>Caesio cuning</i> . Amanda S. Ackiss , Old Dominion University, USA	Downstream spawning migration in amphidromous fishes: a link to catadromy through larval transport. Gerard P. Closs , University of Otago, NEW ZEALAND	Partitioning and competition for cephalopod resources in top predators of the Indian Ocean. Michel Potier , Institut de Recherche pour le Developpement, FRANCE
14:00-14:15	Australian mackerel found with mitochondrial genomes from two species. Jess A.T. Morgan , The University of Queensland, AUSTRALIA	Climate change associated elevated temperatures and variable food supply influence performance of a larval coral reef fish. Ian M. McLeod , James Cook University, AUSTRALIA	Trophic networks involving Anguilliform fish in New Caledonian coral reefs: insight from stable isotope analysis. Marine Briand , University of New Caledonia, FRANCE
14:15-14:30	Species detection from the netted sample with multi-species using the DNA barcode. Dageum Jeong , Korea Institute of Ocean Science and Technology, SOUTH KOREA	Olfactory discrimination in juvenile coral reef fishes: Response to conspecifics and alterations to coral health. Amy G Coppock , James Cook University, AUSTRALIA	Feeding habits of the great sculpin <i>Myoxocephalus polyacanthocephalus</i> (Cottidae) and its position in the trophic system of Kamchatka waters. Alexei M. Orlov , Russian Federal Research Institute of Fisheries and Oceanography, RUSSIA
14:30-14:45	Sequencing formalin-fixed samples. Jingyan Li , Shanghai Ocean University, CHINA	The relationship between boldness and learning in a tropical reef fish. James White , James Cook University, AUSTRALIA	Is the elusive Freshwater Moray a top predator in tropical insular streams? Brendan C. Ebner , James Cook University, AUSTRALIA
14:45-15:00		Elevated CO2 affects predator-prey interactions through altered performance. Bridie J.M Allan , James Cook University, AUSTRALIA	
15:00-16:00	Poster Presentations (B7) / Coffee Break		

Session	Session 34: <i>Population Ecology</i>	Session 35: <i>Climate Change</i>
Chair	Thomas Holmes Department of Environment and Conservation, AUSTRALIA	Lynnath Beckley Murdoch University, AUSTRALIA
Room:	B3+B4	B6+B7
13:45-14:00	Temperate reef fish diversity associated to large brown macroalgae: ecological and evolutionary explanations of a longitudinal trend in the South Pacific Ocean. Alejandro Perez-Matus , Pontificia Universidad Católica de Chile, CHILE	Marine reserves can reverse the effects of fishing on protogynous coral reef fishes. Brian L. Stockwell , Old Dominion University, USA
14:00-14:15	Effects of structural complexity of mangrove roots on fish assemblage structure and predation risk: a field experimental approach. Kusuto Nanjo , The University of Tokyo, JAPAN	Connectivity of cryptobenthic fishes in Australian Marine Parks. Wander O. Godinho , Macquarie University, AUSTRALIA
14:15-14:30	Fish4Knowledge - large scale coral reef fish monitoring using undersea computer vision methods. Bastiaan J. Boom , University of Edinburgh, UK	Climate change and the effects of sea-surface temperature and current flow on the growth and future productivity of fishes in a boundary current. Mark Meekan , The University of Western Australia, AUSTRALIA
14:30-14:45	Shifting of Fish Species Composition in Ambon Bay (Indonesia); 1996 -2012. Augy Syhailatua , UPT BKBL LIPI Ambon, INDONESIA	Monitoring of pelagic species in large marine reserves: the missing piece in open ocean management. Tom Bech Letessier , The University of Western Australia, AUSTRALIA
14:45-15:00		
15:00-16:00	Poster Presentations (B7) / Coffee Break	

Poster Presentations (Tuesday 25 June 2013)

15:00-16:00 Room: B7	Board
Cryptic species and unique lineages in a number of reef fish species in the Western Indian Ocean revealed by broad-scale phylogeographic studies. Gavin Gouws , SAIAB, SOUTH AFRICA	25-01
A poster on the forthcoming book, <i>Coastal Fishes of the Western Indian Ocean</i> . Phillip Heemstra , SAIAB, SOUTH AFRICA	25-02
The Fishes of New Zealand: a comprehensive guidebook. Carl D. Struthers , Museum of New Zealand Te Papa Tongarewa, NEW ZEALAND	25-03
Demersal fish community in nearshore waters off Niigata in the northern Sea of Japan. Yuta Yagi , Japan Sea National Fisheries Research Institute, JAPAN	25-04
Biological survey of the Al Zubarah, Qatar, UNESCO buffer zone, 2012 - Fishes. Peter Rask Moeller , Natural History Museum of Denmark, DENMARK	25-05
Nonindigenous <i>Rhinogobius</i> gobies replaced indigenous congener species in Japanese streams. Taiga Yodo , Mie University, JAPAN	25-06
Current status and perspectives of digital archives of Taiwan fishes. Kwang-Tsao Shao , Academia Sinica, TAIWAN	25-07
<i>Coreoleucisucs namdongensis</i> , a new species of Korean splendid dace (Cypriniformes: Cyprinidae). Jong-Young Park , Chonbuk National University, SOUTH KOREA	25-08
Taxonomic status of <i>Megalonibea fusca</i> Chu, Lo and Wu 1963 and <i>Protonibea diacanthus</i> (Lacepède 1802) (Perciformes Sciaenidae). Shu-Hui Liu , National Taiwan University, TAIWAN	25-09
Spatial and temporal characteristics of distribution two seahorses, <i>Hippocampus coronatus</i> and <i>Hippocampus mohnikei</i> in the coastal waters of Korea. Young-Ung Choi , Korea Institute of Ocean Science and Technology, SOUTH KOREA	25-10
Taxonomic review of <i>Kyphosus</i> species (Perciformes, Kyphosidae) from the Indo-Pacific and Atlantic Oceans. Keiichi Sakai , Noto Marine Center, JAPAN	25-11
A review of the red-fin <i>Decapterus</i> group with an undescribed species (Perciformes: Carangidae). Seishi Kimura , Mie University, JAPAN	25-12
<i>Coilia macrognathus aequidentata</i> Chabanaud, 1924, a junior synonym of <i>Coilia lindmani</i> Bleeker, 1857 and comparisons with <i>Coilia grayii</i> Richardson, 1845 (Clupeiformes: Engraulidae). Harutaka Hata , Kagoshima University, JAPAN	25-13
Review of the <i>Chromis xanthura</i> species group, based on morphological and molecular analyses, with the identification of an undescribed species (Perciformes: Pomacentridae). Hiroyuki Motomura , The Kagoshima University Museum, JAPAN	25-14
Revision of the <i>Minous trachycephalus</i> complex, with two undescribed species (Scorpaeniformes: Synanceiidae). Gota Ogihara , Kagoshima University, JAPAN	25-15
Revision of the <i>Scolecenchelys gymnota</i> species group (Anguilliformes: Ophichthidae). Yusuke Hibino , Mie University, JAPAN	25-16
Polyphyly and paraphyly found in the genus <i>Carangoides</i> (Carangidae, Perciformes) and the phylogenetic position of the type species. Shun Takeuchi , Mie University, JAPAN	25-17
Review of the triplefin genus <i>Enneapterygius</i> in the Ryukyu Islands with three undescribed species (Tripterygiidae). Satokuni Tashiro , Kagoshima University, JAPAN	25-18
Taxonomic revision of bar-tailed species of the genus <i>Platycephalus</i> Bloch, 1785 from Australia (Scorpaeniformes: Platycephalidae). Hisashi Imamura , Hokkaido University, JAPAN	25-19
Morphological and genetic divergence in <i>Crystallichthys matsushimae</i> (Cottoidei, Liparidae). Akira Tohkairin , Kyoto University, JAPAN	25-20
Fish species diversity between the present and 200 years ago at Heuk-san Do, Korea. Jin-Koo Kim , Pukyong National University, SOUTH KOREA	25-21
Attempts to improve the Internet atlas of Japanese fishes from web 1.0 to web 2.0. Yusuke Miyazaki , Nippon Fishing Forum, JAPAN	25-22
Preliminary study on taxonomic status of spotted sea bass using molecular markers. Seung Eun Bae , Pukyong National University, SOUTH KOREA	25-23

15:00-16:00 Room: B7	Board
<i>Gymnocranius</i> sp., a sibling species of lethrinid fish (Perciformes: Lethrinidae). Ryohei Miki , University of Miyazaki, JAPAN	25-24
The HUMZ Fish Collection and its Contributions to Systematic Ichthyology. Mamoru Yabe , Hokkaido University, JAPAN	25-25
Taxonomic review of the genus <i>Neoscopelus</i> (Myctophiformes: Neoscopelidae). Takashi Suzuki , Kochi University, JAPAN	25-26
Homology of lateral line canals in the subfamily Stichaeinae (Cottiformes: Stichaeidae). Tomoyuki Yamanaka , Hokkaido University, JAPAN	25-27
Phylogeny of the cyprinid subfamily Cultrinae and related taxa (Ostariophysi: Cypriniformes). Hiroaki Takeuchi , Kinki University, JAPAN	25-28
A new species of the genus <i>Glossanodon</i> off Western Australia (Protacanthopterygii: Argentinidae). Hiromitsu Endo , Kochi University, JAPAN	25-29
Taxonomy and conservation of Japanese freshwater fishes. Tomohiko Fujita , Water Resources Environment Technology Center, JAPAN	25-30
First finding of the separated eggs of <i>Lophius litulon</i> (Lophiiformes; Lophiidae) by DNA-based identification from Korea in Northwest Pacific. Jina Oh , Korea Institute of Ocean Science & Technology, SOUTH KOREA	25-31
Patterns of evolutionary diversification in Red Sea fishes as revealed by phylogeographic analyses of DNA barcoding sequences. Tilman J. Alpermann , Senckenberg Research Institute and Natural History Museum, GERMANY	25-32
Molecular systematics and speciation in sharpnose pufferfishes (Tetraodontidae: Canthigasteridae: <i>Canthigaster</i>). Claudia N. Rocha , California Academy of Sciences, USA	25-33
Using satellite telemetry to understand movements of whale sharks (<i>Rhincodon typus</i>) in the Red Sea. Tane H Sinclair-Taylor , King Abdullah University of Science and Technology, SAUDI ARABIA	25-34
Observations on the embryo of <i>Manta alfredi</i> using ultrasonographic imaging. Kiyomi Murakumo , Okinawa Churaumi Aquarium, JAPAN	25-35
Cospeciation of onchobothriid tapeworms and elasmobranchs. Akira Kurashima , The University of Tokyo, JAPAN	25-36
The importance of Ariake Bay, western Kyushu, Japan, as a nursery ground for many sharks and rays. Keisuke Furumitsu , Nagasaki University, JAPAN	25-37
Comparison for residues of PCBs and DDTs in six deep sea sharks in Suruga Bay, Japan. Taku Horie , Tokai University, JAPAN	25-38
Geographical, seasonal and sexual effects on length-weight relationship for blue shark <i>Prionace glauca</i> in the North Pacific Ocean. Yuko Hiraoka , National Research Institute of Far Seas Fisheries, JAPAN	25-39
Bioaccumulation of PCBs and DDTs in the sharpnose sevengill shark <i>Hepttranchias perlo</i> in Suruga Bay, Japan. Akio Matake , Tokai University, JAPAN	25-40
Age and growth of the tawny nurse shark, <i>Nebrius ferrugineus</i> , around the Yaeyama Islands, Okinawa. Nagisa Yano , Tokai University, JAPAN	25-41
Species composition of sharks in Southeast Asian region: Reanalysis of the study on sharks in 2003 and 2004 by SEAFDEC and ASEAN-SEAFDEC member countries. Masaya Katoh , SEAFDEC/MFRDMD, MALAYSIA	25-42
Diet composition of the tiger shark, <i>Galeocerdo cuvier</i> , around Yaeyama islands, Okinawa, Japan. Toshikazu Yano , Tohoku National Fisheries Research Institute, JAPAN	25-43
Authentication of the dried seahorses in the Taiwanese traditional Chinese medicine market by molecular forensics. Chia-Hao Chang , Academia Sinica, TAIWAN	25-44
The abundance of herbivorous fish on coral communities in the Gulf of Thailand following the 2010 coral bleaching event. Thamasak Yeemin , Ramkhamhaeng University, THAILAND	25-45

Poster Presentations (Wednesday 26 June 2013)

15:00-16:00 Room: B7	Board
Morphological phylogeny of the hexanchiform sharks (Squalomorphii: Hexanchiformes). Kenta Suda , OKABE Co., Ltd., JAPAN	26-01
Sexual dimorphism in scales of marbled flounder <i>Pseudopleuronectes yokohamae</i> (Pleuronectiformes: Pleuronectidae): possible relevance to their spawning behaviour. Takeshi Tomiyama , Hiroshima University, JAPAN	26-02
Trunk lateral line system in three basal gobioids (Teleostei: Perciformes). Ryu Asaoka , Kochi University, JAPAN	26-03
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Comparisons of osmoregulatory mechanisms between two closely related euryhaline teleosts from different natural habitats. Wen-Kai Yang , National Chung Hsing University, TAIWAN	26-05
Learning from the bodies of fishes: introduction to a biomimetics project in Japan. Gento Shinohara , National Museum of Nature and Science, JAPAN	26-06
Morphological review of the <i>Comephorus</i> , the endemic sculpin of Lake Baikal (Cottiformes, Comephoridae). Yoshiko Sasaki , Hokkaido University, JAPAN	26-07
Reevaluation of the monophyly of the family Congridae. Shinta Sakurai , Hokkaido University, JAPAN	26-08
Finding the best estimates of metabolic rates in a coral reef fish. Dominique G. Roche , The Australian National University, AUSTRALIA	26-09
Cenozoic teleostean fish fossils from Japan. Yoshitaka Yabumoto , Kitakyushu Museum of Natural History and Human History, JAPAN	26-10
Revision of a cyprinid fish, <i>Zacco</i> cf. <i>Zacco temminckii</i> from the Middle Pleistocene Nogami Formation, Kusu Basin, Oita Prefecture, Kyusyu, Japan. Shinya Miyata , Waseda University, JAPAN	26-11
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Comparisons of the ion transporter expression in the pseudobranch of the seawater- and freshwater- acclimated milkfish. Sheng-Hui Yang , National Chung Hsing University, TAIWAN	26-13
Growth performance, body composition and stress responses of olive flounder, <i>Paralichthys olivaceus</i> held under different water pH levels. Sung-Yong Oh , Korea Institute of Ocean Science and Technology, SOUTH KOREA	26-14
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Molecular phylogeny and origin of Sulawesian adrianichthyids. Daniel Frikli Mokodongan , University of the Ryukyus, JAPAN	26-16
Genetic divergence in the <i>Careproctus rastrinus</i> species complex (Liparidae) inferred from AFLP: evidence of secondary contact in the Bering Sea. Yoshiaki Kai , Kyoto University, JAPAN	26-17
Comparative phylogeography of <i>Pomacanthus imperator</i> and <i>P. semicirculatus</i> in the Indo-Pacific Ocean. Chih-Wei Chang , National Dong Hwa University, TAIWAN	26-18
A new species of Pomacanthidae from Cocos Island with emphasis on its phylogenetic relationship to its sister species in the Pacific. Chih-Wei Chang , National Taiwan Ocean University, TAIWAN	26-19
Formation of freshwater fish fauna in western Japan. Katsutoshi Watanabe , Kyoto University, JAPAN	26-20
Local populations found in the catshark <i>Scyliorhinus torazame</i> in Japan. Kaori Muguruma , Nagoya University, JAPAN	26-21
Phylogeographical and morphological analyses of the mottled spinefoot <i>Siganus fuscescens</i> in the Indo-West Pacific, with comments on synonyms. Kensuke Iwamoto , Okinawa Prefectural Fisheries and Ocean Research Center, JAPAN	26-22
Molecular phylogeny of the cardinalfishes (Percomorpha: Apogonidae): revisions for genus/subgenus systematics. Kohji Mabuchi , The University of Tokyo, JAPAN	26-23

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Phylogeny of the lefteye flounders (family Bothidae): a mitogenomic perspective. Takashi P. Satoh , National Museum of Nature and Science, JAPAN	26-24
Molecular phylogeny of the caesionid fishes (fusilier fish or Gurukun) based on mitochondrial and nuclear DNA sequences. Takeshi Kon , Toho University, JAPAN	26-25
Dates and rates of major pelagic deep-sea fish radiations. Jan Y. Poulsen , Natural History Collections Bergen Museum, NORWAY	26-26
Phylogenetic positions of American sparid genera inferred from multi gene sequences. Satoru N. Chiba , National Museum of Nature and Science, JAPAN	26-27
Classical complement activity in the skin mucus of Siberian sturgeon (<i>Acipenser baerii</i>). Chunxin Fan , Shanghai Ocean University, CHINA	26-28
Molecular genetic study on the origin of endemic fishes in Lake Biwa. Ryoichi Tabata , Kyoto University, JAPAN	26-29
Mitogenomic phylogeny of acanthuroid fishes (Actinopterygii: Perciformes) and evolutionary origins of distinct larvae. Yusuke Yamanoue , The University of Tokyo, JAPAN	26-30
Phenotypic and molecular characterization of hybrid catfish from fish farms in Abia and Akwa Ibom States of Nigeria. Anthony A. Nlewadim , Michael Okpara University of Agriculture, NIGERIA	26-31
A hypothetical mechanism of making NORs variability on chromosomes in bitterlings (Cyprinidae, Acheilognathinae). Takayoshi Ueda , Utsunomiya University, JAPAN	26-32
The genetic architecture of the latitudinal variation in sexual dimorphism of medaka. Maiko Kawajiri , National Institute of Genetics, JAPAN	26-33
Lineage-specific adaptive evolution in a unique sea basin: insights from phylogeography, phenotypic pattern and genome scan of an anadromous goby <i>Leucopsarion petersii</i> . Tomoyuki Kokita , Fukui Prefectural University, JAPAN	26-34
Population differentiation of Moses Perch (<i>Lutjanus russelli</i>) in Thailand. Wanlada Klangnarak , Prince of Songkla University, THAILAND	26-35
DNA species identification of fish-remains from South Pacific Island. Kenji Nohara , Tokai University, JAPAN	26-36
Population structure and sequence divergence in the mitochondrial DNA control region of gizzard shad <i>Konosirus punctatus</i> in Korea and Japan. Woo-Seok Gwak , Gyeongsang National University, SOUTH KOREA	26-37
Complex genetic structure of a catadromous fish in temporarily open closed estuaries of Socotra Island and the northern Gulf of Aden. Uwe Zajonz , Senckenberg Research Institute and Natural History Museum, GERMANY	26-38
The hypothesis of establishment of the Pacific cod modern population structure in the North Pacific. Alexei M. Orlov , Lomonosov Moscow State University, RUSSIA	26-39
Preliminary review of the gobiid fish genus <i>Paratrypauchen</i> of Japan with a comment on the validity of <i>P. wakae</i> (Jordan and Snyder, 1901). Tetsuo Yoshino , Okinawa Churashima Foundation, JAPAN	26-40
Phylogenetic relationships of <i>Rhinogobius</i> gobies in Japan, inferred from multiple nuclear gene sequences. Yo Yamasaki , Kyoto University, JAPAN	26-41
Structure of egg envelope in rice-fish <i>Oryzias sinensis</i> (Adrianichthyidae). Chi-Hong Kim , National Fisheries Research and Development Institute, SOUTH KOREA	26-42
Effects of human-made obstructions on the distribution and density of the amphidromous sculpin, <i>Cottus</i> sp. ME. Daisuke Tahara , Fukui Prefectural University, JAPAN	26-43
Morphological and genetic variation of domestic alien species, <i>Pseudorasbora parva</i> , in Matsumoto Castle Moat. Mayu Konishi , Shinshu University, JAPAN	26-44
Review of wedgefish family Rhynchobatidae (Elasmobranchii: Rajiformes) of Taiwan Rou-Rung Chen , National Dong Hwa University, Taiwan	26-45

Poster Presentations (Thursday 27 June 2013)

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Spawning ecology of <i>Maurolicus japonicus</i> in the Korea Strait and the Ulleung Basin. Sung Kim , Korea Institute of Ocean Science & Technology, KOREA	27-01
Reproductive biology and growth of blue stripe herring, <i>Herklotsichthys quadrimaculatus</i> (Clupeidae), in coastal water of Okinawa Island, southern Japan. Shin-ichiro Oka , Okinawa Churashima Foundation, JAPAN	27-02
Taxonomic studies on the larval clupeoid fishes from the Ryukyu Islands based on mtDNA 16S and morphological data. Hiro-o Ishimori , University of the Ryukyus, JAPAN	27-03
Recruitment of <i>Anguilla</i> spp. (Anguillidae) in Takase River, Wakayama, Central Japan. Yoshitsugu Kaji , Wakayama Prefectural Museum of Natural History, JAPAN	27-04
Early development and occurrence pattern of two <i>Nematalosa</i> species in Nakagusuku Bay, Okinawa Island, Ryukyu Archipelago. Masato Uehara , Okinawa Prefectural Fisheries and Ocean Research Center, JAPAN	27-05
Short-term temporal and spatial variations in larval fish community in estuary of Tamsui River, Northern Taiwan, and relations in sampling designs. Yu-Ming Shih , National Taiwan University, TAIWAN	27-06
Spawning migrations in a mildly catadromous fish species: we know the destination, but where is the source? Michael Hickford , University of Canterbury, NEW ZEALAND	27-07
Early life history of deep-sea demersal fishes collected near-bottom on the upper continental slope of Suruga Bay, Japan. Munehiro Takami , Tokai University, JAPAN	27-08
Classification of gonadal development patterns in Cyprinidae. Yasunori Koya , Gifu University, JAPAN	27-09
Histological characteristics of the mature ovaries of three sharks. Masaru Nakamura , Okinawa Churashima Foundation, JAPAN	27-10
Skeletal anatomy of the caudal fin of sharks of the order Carcharhiniformes (Chondrichthyes, Elasmobranchii). Renan A. Moreira , Universidade do Estado do Rio de Janeiro, BRAZIL	27-11
Sexual dimorphisms of spined loach, <i>Cobitis kaibarae</i> (Teleostei: Cobitidae) in the Rokkaku river system, northwestern Kyushu Island, Japan. Eun-Jin Kim , The University of Tokyo, JAPAN	27-12
Reproductive peculiarity of the Okinawan population of paradise fish <i>Macropodus opercularis</i> (L., 1758). Tetsuro Kitagawa , Kinki University, JAPAN	27-13
Group specific sexual maturation in female and life history traits, in the yellowscale parrotfish, <i>Scarus ghobban</i> around the Okinawa Island. Akihiko Ebisawa , Okinawa Prefectural Fisheries and Ocean Research Center, JAPAN	27-14
Mechanisms determining the distribution patterns of filefish <i>Rudarius ercodes</i> in and around seagrass habitats. Masahiro Horinouchi , Shimane University, JAPAN	27-15
Quantitative analysis on environmental factors regarding the habitat selection by Red Spotted Masu Salmon. Satoru Matsumura , Tokai University, JAPAN	27-16
Monogamous mating system in the gobiid fish, <i>Ptereleotris hanae</i> (Gobiidae) and territorial defense requirement. Shoko Suzuki , Tokai University, JAPAN	27-17
Reproductive behavior of frogfish: spinning ejaculation and male-male competition. Taiki Takahashi , Tokai University, JAPAN	27-18
Homing and foraging behavior of the symbiotically luminous cardinalfish <i>Siphamia versicolor</i> (Perciformes: Apogonidae). Alison L. Gould , University of Michigan, USA	27-19
Neural basis of the 'puffing' behavior in the pufferfish <i>Takifugu obscurus</i> . Xiaojie Wang , Shanghai Ocean University, CHINA	27-20
The processing of electrosensory information related to prey in the hindbrain of sturgeon (<i>Acipenser transmontanus</i>). Jiakun Song , Shanghai Ocean University, CHINA	27-21
Sound production in marbled rockfish, <i>Sebasticus marmoratus</i> . Xuguang Zhang , Shanghai Ocean University, CHINA	27-22
First record of the small (Age-0) Pacific bluefin tuna (<i>Thunnus orientalis</i>) migration in the sea off Kochi revealed by archival tags. Ko Fujioka , National Research Institute of Far Seas Fisheries, JAPAN	27-23
Polygamy and social promiscuity in the gorgonian-associated pygmy seahorse <i>Hippocampus denise</i> (Actinopterygii, Syngnathiformes). Richard Smith , The University of Queensland, AUSTRALIA	27-24

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Ecological mechanism for genetic introgression from orange-red commercial variety himedaka to wild population of medaka in Japan. Ryohei Nakao , Kinki University, JAPAN	27-25
Size-advantage in nest-holding tactics in the dusky frillgoby <i>Bathygobius fuscus</i> males: mating and parental care success. Shoma Kawase , Nagasaki University, JAPAN	27-26
Underlying modality in the complex swimming behaviours of foraging coral reef fishes. Jessica R. Pink , The Australian National University, AUSTRALIA	27-27
Genetic population structure of the fourspine sculpin, <i>Cottus kazika</i> inferred from mitochondrial DNA control region haplotypes. Naoya Ishiguro , Josai University, JAPAN	27-28
Distribution and abundance of larval fish assemblages in the Kuroshio waters east of Taiwan. Hung-Yen Hsieh , National Dong Hwa University, TAIWAN	27-29
Genetic population structure of the yellowfin tuna <i>Thunnus albacares</i> in the North Pacific Ocean. Shohei Nomura , Kinki University, JAPAN	27-30
Fluctuations in abundance and intra-and interspecific population synchrony of four bitterling species and two non-bitterling species in Lake Kasumigaura, Japan. Takahiro Morosawa , Japan Wildlife Research Center, JAPAN	27-31
Influence of environmental parameters on fish larval abundance and distribution in the seagrass-mangrove ecosystem of Gelang Patah, Johor, Malaysia. Aziz Arshad , Universiti Putra Malaysia, MALAYSIA	27-32
Speciation on converging plates - a case study from Dinematchthyini in the West Pacific. Werner Schwarzhans , University of Copenhagen, DENMARK	27-33
Residency, movement, migration and the genetic stock structure of an endemic South Africa sparid, the black musselcracker (<i>Cymatoceps nasutus</i>). Gavin Gouws , Rhodes University, SOUTH AFRICA	27-34
Experimental evaluation of inorganic fertilization in larval orange-spotted grouper (<i>Epinephelus coioides</i>) production. Kwee Siong Tew , National Museum of Marine Biology & Aquarium, TAIWAN	27-35
Natural spawning and early life history of the bluestreak cleaner wrasse, <i>Labroides dimidiatus</i> (Valenciennes, 1839) in captivity. Pei-Jie Meng , National Dong Hwa University, TAIWAN	27-36
TRUSS analysis and biology of spotted scat, <i>Scatophagus argus</i> (Linnaeus 1766). Ghaffar A. Mazlan , Universiti Kebangsaan Malaysia, MALAYSIA	27-37
On the resiliency of the Halfbeak fish <i>Zenarchopterus buffonis</i> (VALENCIENNES 1847) in the coastal waters of Peninsular Malaysia. Ghaffar A. Mazlan , Universiti Kebangsaan Malaysia, MALAYSIA	27-38
Observations on the enigmatic tissue on the tongue of fishes of the genus <i>Siphamia</i> (Perciformes, Apogonidae). Ofer Gon , SAIAB, SOUTH AFRICA	27-39
Assessment of carbon and nitrogen isotopic ratio within food webs ending to groupers in coral reefs of Wallis Island, Pacific Ocean. Yves Letourneur , Université de la Nouvelle-Calédonie, FRANCE	27-40
Natural spawning and early life history of the palette surgeonfish, <i>Paracanthurus hepatus</i> (Linnaeus, 1766) in captivity. Ming-Yih Leu , National Dong Hwa University, TAIWAN	27-41
Small-scale fishery using fish trap in adjacent coral communities in Trat Province, Thailand. Makamas Sutthacheep , Ramkhamhaeng University, THAILAND	27-42
Captive biology of deep-sea fishes using a gravity-produced compression chamber for treating decompression sickness. Keiichi Sato , Okinawa Churaumi Aquarium, JAPAN	27-43
Hyperbaric chambers for rockfish (Northeast Pacific <i>Sebastes</i>). Joseph Welsh , Monterey Bay Aquarium, USA	27-44
Reproductive biology of Ceratioid Anglerfishes. Are males really parasites? Or is there something more to the story? Toshiro Saruwatari , The University of Tokyo, JAPAN	27-45

