



**61th Annual Gulf and Caribbean Fisheries Institute
10 November 2008 – 14 November 2008**

Monday: November 10, 2008

OPENING CEREMONY (08:30 - 10:00)

Opening Address: **James Franks, Chairman, Board of Directors, GCFI**

Monsieur VICTORIN LUREL, President of the Regional Council / Président du Conseil Régional

Monsieur Gérard Théobald, Président of IRPM / Président de l'IRPM (Institut Régional de pêche et de marine) / (Regional Fisheries and Marine Institute of Guadeloupe)

Monsieur Jean-Yves Perrot, Président Directeur Général de l'IFREMER / President Director General of IFREMER (Institut Français pour l'exploitation de la mer)

Monsieur Georges Virassamy, President of UAG, Président de l'Université des Antilles et de la Guyane / University of French Antilles and Guyana

Keynote Address: **Dr. Dirk Zeller** “**Caribbean versus global fisheries: marine ecosystems, food security and the data connection**”

Break (10:00 - 10:30)

PELAGIC AND RECREATIONAL FISHERIES BIOLOGY (10:30-12:30)

Session Moderator: Ellen Peel

- 10:30** Reynal, Lionel. Fishing effort allocation between reef and pelagic ecosystem in the French Antilles; biological and economic implication.
- 10:45** Chaibongsai, Peter. A socioeconomic and biological assessment of a constituent-based tag data collection program.
- 11:00** Rodriguez-Ferrer, Yamitza. Changes in dolphinfish tournaments as a result of new regulations for recreational fishing.

* Indicates student competing for Outstanding Student Award

- 11:15** Guyader, Olivier. Recreational fishing activities in the French West Indies: A preliminary analysis of their structure and economic impact.
- 11:30** González, Jose F. Promoting a sustainable bonefish recreational fishery: a collaborative effort between fishing guides and scientists.
- 11:45** Peña-Alvarado, Noemí. Reproductive biology of three important baitfishes (Clupeidae) in Puerto Rico.
- 12:00** * Figueredo Martín, Tamara. Recreational fisheries in Jardines de la Reina, Cuba.
- 12:15** *Walcott, Julian. Current status of the longline fishery in Barbados.

Lunch Break (12:30-13:15)

SOCIO-ECONOMICS AND FISHERIES MANAGEMENT (13:15-16:45)

Session Moderator: Olivier Guyader

- 13:15** Guyader, Olivier. Relative economic returns of reef fisheries compared to pelagic fisheries and perspectives in a context of global change: application to the French Lesser Antilles.
- 13:30** Haughton, Milton. Are domestic licensing rules governing access to fisheries consistent with the objectives of the treaty establishing the CARICOM single market and economy.
- 13:45** Lasseter, Ava. Predicting adaptability with social network analysis in a small-scale lobster fishery.
- 14:00** Salas Marquez, Silvia. Use of simple fishery indicators to evaluate management regulations of the octopus fishery in Yucatan given the interaction of fleets.
- 14:15** Stephen, Alicia. International trade and fisheries: implications for fisheries management and development of small vulnerable Caribbean States.
- 14:30** *Parsram, Kemraj. Social-ecological system interactions in small-scale fisheries: case studies of the large pelagic and shallow reef fisheries of Grenada and St. Lucia.
- 14:45** Potts, A. Assessing the importance of the fishing and associated livelihoods in the coastal fishing sector in Trinidad and Tobago.
- 15:00** Rodriguez, Luis Alfonso. Socioeconomical aspect, present situation, and management of grouper fisheries inside a fishing cooperative in the Yucatan estate.

Break (15:15-15:30)

Session Moderator: Jeannette Mateo

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- 15:30** Ropicki, Andrew. The impact of reported product substitution on grouper consumption in Florida.
- 15:45** Infante, Jose. Comprehensive census of artisanal fishery in the Dominican Republic.
- 16:00** Leblond, Emilie. The Recopesca project: a new example of participative approach to collect in-situ environmental and fisheries data using fisheries vessels of opportunity. Application to the French West-Indies.
- 16:15** *Landsman, Sean. Nassau grouper (*Epinephelus striatus*) fishery in the Turks and Caicos Islands: implications for conservation and management.
- 16:30** Matthews, Thomas. Information requirements for assessment of derelict fishing gear in the Caribbean.

FISHERS FORUM (16:45- 17:45)

Keynote: Nurse, Leonard. Incorporating climate change projections in Caribbean fisheries management.

Keynote: James, Philmore. Potential impacts of climate change and climate variability on small-scale fisheries in the eastern Caribbean.

Discussion and recommendations for projects

PETER GLADING MEMORIAL CEREMONY (17:45-18:30): Including a film from the experience of the Jamaica-Belize Fisher Learning Exchange entitled “No Boundaries”.

Informal Reception & Welcome Address (19:30)

Student-Board Social (20:30)

TUESDAY: November 11, 2008

GCFI BUSINESS MEETING (07:30 - 08:20)

BIOLOGY AND FISHERIES OF DEMERSAL AND REEF FISHES (08:30-12:00)

Session Moderator: Nancy Brown-Peterson

- 8:30** Brown-Peterson, Nancy. Regional differences in Florida red snapper reproduction.
- 8:45** *Collins, Angela. A preliminary assessment of the abundance and size distribution of goliath grouper *Epinephelus itajara* within a defined region of the central eastern Gulf of Mexico.
- 9:00** Escobar, Fabián. Temporal change in lengths of lane snapper (*Lutjanus synagris*) exploited in the northern Caribbean Sea off Colombia.

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- 9:15** Criquet, Geraldine. Spatio-temporal variability of otolith shape of the red-band parrotfish (*Sparisoma aurofrenatum*) in Martinique.
- 9:30** Solomon, Farahnaz. Age and growth studies of *Holocentrus adscensionis* and *H. rufus* from Dominica using hard-parts.
- 9:45** Gonzalez Salas, Carlos. Ecological aspects of coral reef fish in Alacranes Reef, Yucatan, México.

Break (10:00 – 10:15)

Session Moderator: Erick Castro

- 10:15** Brulé, Thierry. Commercial catch composition of the grouper/snapper complex from the southern Gulf of Mexico and implications for the management of its fishery.
- 10:30** *Granados-Dieseldorff, Pablo. A GIS-based spatial model for predicting habitat suitability of mutton snapper (*Lutjanus analis*) in Belize.
- 10:45** Rodriguez, Luis Alfonso. Promotional fishery for hog fish *Lachnolaimus maximus* in Yucatán State Coast, Mexico.
- 11:00** Duarte, Luis Orlando. Bottom trawl bycatch of the shrimp fishery in the upwelling area off Colombia, Caribbean Sea: current status and historical insights.
- 11:15** Leal, Sergio. Characterization of by-catch of shrimp artisanal fishery of Chabihau Lagoon, Yucatan, Mexico.
- 11:30** Medley, Paul. Tools to conduct a ParFish assessment using Bayesian decision analysis.
- 11:45** Wakeford, Robert. ParFish: A rapid stock assessment of fisheries with stakeholder participation.

Lunch (12:00-13:30)

GCFI SPECIAL SESSION ON COASTAL RESOURCES VERSUS HABITAT DEGRADATION (13:30- 17:15)

13:30-14:00 Keynote Speaker: **Dr. Jeremy Jackson. “Coastal habitat degradation and fisheries”**

Session Moderator: Claude Bouchon

- 14:00** Maharaj, Ben. The effects of habitat degradation on use of natural resources including fisheries off the west coast of Trinidad.
- 14:15** Kopp, Dorothée. Stability of benthic coral reef communities: top-down herbivory control versus bottom-up eutrophication.
- 14:30** Ramdine, Gaëlle. Anthropogenic contaminations in the mangrove of Guadeloupe (Lesser Antilles) - use of a biomarker of genotoxicity for monitoring.

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14:45 Bouchon-Navaro, Yolande. Caribbean reef fish communities and their major habitat forcing functions.

15:00 Paddock, Michelle. Population trends in Caribbean herbivorous fishes before and after the *Diadema antillarum* die-off.

Break (15:15-15:30)

Session Moderator: Mark Peterson

15:30 Peterson, Mark. Alterations to estuarine and marine habitat quality and fish and invertebrate resources: what have we wrought and where do we go?

15:45 *Vaslet, Amandine. Potential effect of mangrove regression on fish species of commercial interest in Guadeloupe.

16:00 Legrand, H el ene. Assessing coral reef health in relation to anthropogenic nutrient enrichment along the south-west coast of Martinique.

16:15 Lapointe, Brian. Effects of land-based nutrient pollution on coral reefs: lessons from the Florida Keys.

16:30. Marechal, Jean-Philippe. Rapid coral reef decline in Martinique and its impact on fish assemblages.

16:45. Hoetjes, Paul C. Impact of increased nutrient input on coral reefs on Bonaire and Curacao.

17:00 Risk, Mike. Stable isotopes of nitrogen as sewage monitors.

17:15 Panel Discussion: Mark Peterson and Claude Bouchon

TUESDAY EVENING

GCFI POSTER SESSION – RECEPTION (19:30)

Poster Session Chair: Read Hendon

Authors of even numbered posters must be at their poster from 19:30 – 20:30, and authors of odd numbered posters must be at their poster from 20:30 – 21:30

PELAGIC AND RECREATIONAL FISHERIES BIOLOGY

1. Fitzhugh, G.R. Batch fecundity and an attempt to estimate spawning frequency of king mackerel (*Scomberomorus cavalla*) in U.S. waters.

SOCIO-ECONOMICS AND FISHERIES MANAGEMENT

2. Angin, Baptiste. Contribution to the analysis of the landing's structure of the Guadeloupe costal fishery.
3. Chaibongsai, Peter. Retrieving recapture fisheries data by collaborating with artisanal fishermen: A case study in San Pedro de Marcoris, Dominican Republic.

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4. Dailey, William. Status of black drum (*Pogonias cromis* Linneaus) in Texas: landings, fishing pressure and abundance by year and embayment
5. Hendon, J. Read. Science through fishing: collaborative research between scientists and resource users
6. Graham, Darcie. Gulf of Mexico Derelict Trap Removal Program.
7. Haynes, Carmel. A communicative planning approach to fisheries management planning.
8. Matos-Caraballo, Daniel. Lessons learned from the Puerto Rico's commercial fishery, 1988-2008.
9. Peña, Maria. Socio-economic monitoring by Caribbean fishery authorities.
10. Reynal, Lionel. Fishery data collection optimisation in tropical insular context: the case of French West Indies.
11. Romain, Wilner and Valles, Henri. The state of the finfish fishery in Haiti.
12. Wakeford, Robert. "A Dummies Guide to ParFish".
13. Sanchez, Guillermo. Interactive Marine Museum GUANHUMI .
14. Wakeford, Robert. ParFish in action: a selection of worldwide case studies

BIOLOGY AND FISHERIES OF DEMERSAL AND REEF FISHERIES

15. Acosta, A. Age, growth and reproduction of red grouper (*Epinephelus morio*) in the Florida Keys, Florida.
16. Anderson, Brenda. Age and growth of wenchman (*Pristipomoides aquilonaris*) from the northern Gulf of Mexico
17. Beyer, Sabrina. Validation of annual periodicity and age estimation from shape analysis of otoliths from red snapper, *Lutjanus campechanus*.
18. Cuevas, Kerwin. Mississippi Rigs To Reef Program: retaining valuable hard bottom habitat in the northern Gulf Of Mexico.
19. Gledhill, Christopher. Development of a stereo camera system to measure reef fish.
20. McClenachan, Loren. Estimating pristine reef fish biomass from historical reconstructions of Caribbean monk seal populations
21. Simonsen, Kirsten. Feeding ecology of reef-associated fish: a comparison of trophic niche space using stable isotope analysis.
22. Sweat, Don. "New NOAA regulatory requirements for reef fishes in the Gulf of Mexico".

COASTAL RESOURCES VERSUS HABITAT DEGRADATION

23. Bouchereau, Jean-Luc. The Manche-à-Eau mangrove lagoon, Guadeloupe (16°16'N; 61°33'W), French West Indies, in the life cycle of coastal fish species.
24. Kotta, Jonne. Interactive effects of eutrophication and climate variables on ecosystem structure and fish stock of the Gulf of Riga.
25. Laurent, Melina. Chimiosynthetic ecosystems of Guadeloupe: the case study of "Sunken Woods" in mangrove swamp.
26. Lefrançois, Estelle. Sister relationships between coastal and freshwater biota in Caribbeans: importance of autochthonous epilithic biofilm during the inland parts of species life cycles
27. Mantran, Murielle. Geomorphologic, hydrographic and fish assemblage relationship in a mangrove lagoon: the Manche-À-Eau (Guadeloupe, French West Indies).
28. Rinaldi, Caroline. Marine turtles on the Caribbean coast of Guadeloupe French West Indies
29. Mantran, Murielle. Morphologic evolution of the lagoon of mangrove swamp manche-à-eau (Guadalupe, the French Antilles) from 1950 to 2004, and its bathymetry and correntometría in 2007.
30. *Zetina, Karla. Co-managment for study of rock habitats affected for red tide in Yucatan Coast, México.

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BIOLOGY AND MANAGEMENT OF SPAWNING AGGREGATIONS

31. Kadison, Elizabeth. A yellowfin grouper (*Mycteroperca venenosa*) spawning aggregation in the US Virgin Islands: a study in reproductive biology and behavior.
32. Feeley, Michel. Performance evaluation of marine zoning for protecting coral reef fishes in the Dry Tortugas.

SCIENCE AND MANAGEMENT OF MARINE PROTECTED AREAS

33. Bustamante, G. Building a Caribbean MPA Learning Community for better addressing MPA regional networks: update of CaMPAM activities.
34. Uhrin, Amy. V. Distribution and abundance of spiny lobster trap debris in Florida Keys National Marine Sanctuary

INVASIVE MARINE SPECIES

35. Caballero, Hansel. The occurrence of lionfish (Teleostei: Scorpaenidae: *Pterois* sp.) in Cuban marine waters
36. Claydon, John. The red lionfish invasion of South Caicos, Turks & Caicos Islands.

BIOLOGY AND MANAGEMENT OF INVERTEBRATES

37. Aldana Aranda, Dalila. Attenuated reproduction of *Strombus gigas* by an Apicomplexa parasite.
38. Baldwin, Kimberly. A preliminary investigation of the queen conch fishery in St. Vincent & the Grenadines.
39. Elisabeth, Nathalie H. Cellular mechanisms underlying gill-endosymbiotic bacterial infection process within the shallow water *Codakia orbiculata* (Bivalvia: Lucinidae) (Montagu, 1802).
40. Gros, Olivier. Preliminary results on growth of *Tivela mactroides* (Bivalvia, Veneridae) in Guadeloupe (FWI): indication of its potential for shellfish mariculture in the Caribbean.
41. Losio, Catherine. Embryonic and larval development of the soil living polychaete *Stenoninereis martini* from mangrove swamp of Guadeloupe (F.W.I.): a SEM study from young blastula to juveniles.
42. Gros, Olivier. Structuration of sulfur-oxidizing bacterial diversity associated to Lucinidae (Mollusca: Bivalvia) of *Thalassia testudinum* sea-grass beds of French West Indies.
43. Maurin, Leslie C. Analyses of mangrove swamp meiofauna of Guadeloupe (F.W.I.) by Raman microspectrometry: detection of sulphur-oxidizing bacterial symbiosis
44. Romana, Laurence. Nanomechanical properties of queen conch *Strombus gigas* shell: in function to shell length.
45. Reynal, Lionel. First results of reproductive cycle of deep-sea queen conch, *Strombus gigas* from FWI, Martinique.
46. Serviere, Elisa. Natural feed of queen conch *Strombus gigas*.
47. Volland, Jean-Marie. Electron Energy Loss Spectroscopy (EELS) analysis of spherocrystals in crypt cells of the digestive gland in Strombidae.

WEDNESDAY: November 12, 2008

BIOLOGY AND MANAGEMENT OF SPAWNING AGGREGATIONS (08:00-12:30)

Session Moderator: Yvonne Sadovy

- 8:00** Sadovy, Yvonne. Management and conservation of spawning aggregations; lessons learned and future perfect.

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- 8:15** Nemeth, Rick. Defining marine protected areas for yellowfin and Nassau grouper spawning aggregation sites.
- 8:30** Gleason, Arthur. Assessment of a geomorphological approach to identify spawning aggregation sites in the upper FL Keys, USA.
- 8:45** Heppell, Scott. Tracking potential larval dispersal patterns from Nassau grouper aggregation sites: Evidence for local retention and the “Importance of Place”
- 9:00** Luckhurst, Brian. Seasonally-closed spawning aggregation sites for red hind (*Epinephelus guttatus*) Bermuda’s experience over 30 years (1974 –2004).
- 9:15** Semmens, Brice. The spatial ecology of a remnant Nassau grouper stock on Cayman Brac, Cayman Islands.
- 9:30** Aguilar, Alfonso. Fishing, management, and conservation of the Nassau Grouper, *Epinephelus striatus*, in the Mexican Caribbean.
- 9:45** *Karras, Constance. Cruzan fishers' perspectives on the performance of the Buck Island Reef National Monument and the red hind seasonal closure.

Break (10:00 - 10:15)

- 10:15** Rodriguez, Luis Alfonso. La pesca del mero cherna *Epinephelus itajara* y sus agregaciones en la costa del Estado de Yucatán, México.
- 10:30** Brown, Jeanne. Using lessons-learned from six years of reef fish spawning aggregation site validation, collaboration, and outreach in St. Croix, USVI.
- 10:45** Russell, Martin. Adaptive management of fish spawning aggregations on the Great Barrier Reef, Australia.

11:00 – 12:30 Panel Discussion

Lunch Break (12:30-13:30)

FIELD TRIP (14:00- 17:00)

THURSDAY: November 13, 2008

SCIENCE AND MANAGEMENT OF MARINE PROTECTED AREAS (08:00-12:00)

Session Moderator: Barbara Reveles

- 8:00** Dr. Karl Aiken. Nursery areas in Kingston Harbour - do they still exist?

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- 8:15** Finch, Jocelyn. Comparing conch (*Strombus gigas*) and lobster (*Panulirus argus*) populations at two marine protected areas in Belize: status and lessons for the future.
- 8:30** Garnier Carronnier, Julien. Study of the reserve effect based on the fishermen's point of view (survey) in the Bay of the Grand Cul-de-Sac Marin (Guadeloupe).
- 8:45** Gonzalez-Solis, Alicia. Anemone distribution in two natural protected areas in Mexico.
- 9:00** *Gutiérrez Castro, Adriana Isabel. Ecological condition and economic value of a touristic reef in the Mexican Caribbean.
- 9:15** George, Sarah. Marine Protected Areas in the OECS: no more room for error, no more time to spare.
- 9:30** Pattengill-Semmens, Christy. A hierarchical analysis of trends in common reef fish species: evidence of reserve effects using the REEF Survey Program Database.

Break (9:45 - 10:00)

Session Moderator: Loren McClenachan

- 10:00** Laurent, Louis-Jean. Crossing fishery statistics with marine turtle bycatch data and marine habitat mapping in Martinique, FWI.
- 10:15** Rinaldi, Caroline. Photo identification of marine mammals in the Guadeloupe waters French West Indies.
- 10:30** Perera, Susana. Characterization of the communities of stony corals and evaluation of focal indicators of the state of the benthos of the Guanahacabibes National Park, Pinar del Río, Cuba.

10:45 SCOPING SESSION ON INNOVATIVE RESEARCH FOR THE CONSERVATION OF MARINE RESOURCES, HABITATS AND ECOSYSTEMS IN THE CARIBBEAN REGION. (Sea Grant Puerto Rico)

Session Moderator: Dr. Manuel Valdes-Pizzini

Lunch Break (12:00-13:00)

GCFI SPECIAL SESSION AND WORKSHOP ON INVASIVE MARINE SPECIES (13:00-17:30)

Session Moderator: Co-Chair Harriet Perry

- 13:00** Sullivan Sealey, Kathleen. Indo - Pacific lionfish invasion in the Bahamas: A case study of research, outreach and management planning.
- 13:15** Morris, James. Biology and ecology of the invasive lionfish, *Pteoris miles* and *Pterois volitans*.
- 13:30** *Green, Stephanie. Predicting the impact of invasive lionfish (*Pterois volitans* and *P. miles*) on native reef fish populations in the Caribbean.

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- 13:45** Lasso-Alcala, Oscar. M. Exotic species in the Caribbean sea: introduction of *Omobranchus punctatus* (Valenciennes, 1836) (Perciforms, Blennidae) on the coast of Venezuela.
- 14:00** Albins, Mark. Effects of the invasive Indo-Pacific lionfish (*Pterois volitans*) on Bahamian coral-reef fishes: predation and competition.
- 14:15** Johnson, R. Donald. The Loop Current as a vector for connectivity of invasive species from the western Atlantic to the Gulf of Mexico.
- 14:30** Lad Akins, Lad. REEF's volunteer program for early detection and rapid response of non-native marine species.

Break (14:45 – 15:00)

15:00- 17:30 Invasive Species Workshop

Introduction to Workshop: Co-Chair Kathleen Sullivan-Sealy
Workshop Facilitator: Pam Fuller

FRIDAY: November 14, 2008

CONCURRENT SESSION PARFISH WORKSHOP SPONSORED BY NMFS/NOAA and MRAG America (08:30-12:30) AND Afternoon Session (13:30-15:00)

Session Moderators: Nancie Cummings, Robert Wakeford and Paul Medley .

BIOLOGY AND MANAGEMENT OF INVERTEBRATES (08:30-12:30)

Session Moderator: Dalila A. Aldana

- 8:30** Castro, Erick. Implementation of integrated actions to recover the queen conch (*Strombus gigas*) in two reef complexes of the Seaflower Biosphere Reserve, Colombia.
- 8:45** Mateo, Jeannette. Morphometric relations and estimated conversion factor from filet to live weight in the queen conch, *Strombus gigas*, in Dominican Republic.
- 9:00** Chalifour, Julien. Development of an evaluation method of the queen conch (*Strombus gigas*) resources in Guadeloupe and application to marine areas in the archipelago.
- 9:15** Frenkiel, Liliane. Reproduction cycle of the queen conch *Strombus gigas* L. 1758 in Guadeloupe FWI.
- 9:30** Basurto, Martha. Manejo de la pesquería del caracol rosado *Strombus gigas* en México.
- 9:45** Aldana Aranda, Dalila. Occurrence of Apicomplexa infecting queen conch, from off shore and near shore in Florida.

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10:00 *Volland, Jean-Marie. Detection of Apicomplexa like parasites in two species belonging to the family Strombidae: *Strombus gallus*, Linnaeus, 1758 and *S. raninus*, Gmelin 1791.

Break (10:15-10:30)

Session Moderator: Lionel Reynal

10:30 Reynal, Lionel. The white sea urchin (*Tripneustes ventricosus*), a very variable and sollicited resource in Martinique island.

10:45 Peña, Maria. Synthesis of the biology, fisheries and management of the white sea urchin, *Tripneustes ventricosus*, in the Caribbean.

11:00 Ríos Lara, Gloria Verónica. Age structured model for lobster *P. argus* stock assessment in the Yucatan Shelf.

11:15 Hunt, John. A preliminary examination of Caribbean spiny lobster population connectivity using microsatellite DNA analysis.

11:30 Headley, Maren. A study to determine the socio-economic indicators associated with the spiny lobster (*Panulirus argus*) fishery in St. Vincent and the Grenadines.

11:45 Reyes-Sosa, Carlos. Estimation of population parameters for spiny lobster offshore of Yucatan, México.

Lunch Break (12:00-13:30)

Session Moderator: Darcie Graham

13:30 Stevely, John. Commercial bath and total sponge community biomass estimates in the Florida middle and upper Keys, USA.

13:45 Le Quellec, Franciane. A study of the fishery of the west Indian topshell, *Cittarium pica* to promote its sustainable exploitation in the Caribbean island of Saint Barthelemy FWI.

14:00 Torres Irineo, Edgar. Production functions of two fleets operating in the red octopus fishery of the Yucatan Peninsula through the use of Generalized Linear models.

14:15 Barrera Villajuana, Carlos. Age determined from the daily deposition of concentric rings on red octopus (*Octopus maya*) beaks.

14:30 Roxann Nayar. Divers and networks in the sea egg fishery of Grenada.

14:45 MacLauchlin, Kari. Social network analyses of trap certificate transfers in the Florida lobster fishery.

Break (15:00-15:15)

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SUMMARY SESSION (15:15- 16:15)

A one hour Summary Session which encapsulates pertinent aspects of the following Special Sessions, Workshops and the Fishers Forum conducted during the 61st Conference.

FISHERS FORUM

**COASTAL RESOURCES VERSUS HABITAT DEGRADATION
SESSION AND WORKSHOP ON INVASIVE MARINE SPECIES
BIOLOGY AND MANAGEMENT OF SPAWNING AGGREGATIONS
PARFISH**

16:15 STUDENT AWARD PRESENTATIONS

Presentation of the Ron Schmied Scholarship

Presentation of the GCFI Student Achievement Awards

16:30 CLOSING CEREMONY