

# 2017 INTERNATIONAL SEA TURTLE SYMPOSIUM



## PROGRAM

**37<sup>th</sup> Annual Symposium on Sea Turtle  
Biology and Conservation**

**Las Vegas, Nevada, USA**

**15 – 20 April 2017**

## OPENING SESSION



TUESDAY, APRIL 18<sup>th</sup> 8:15 AM-10:30 AM  
MARQUIS BALLROOM

### OPENING REMARKS

**President Frank V. Paladino**

*Welcome to the 37<sup>th</sup> ISTS*

**Guests:**

**Nakotah LaRance**

Hopi/Tewa/Assiniboine Hoop Dancer  
from OhKay Owingeh Pueblo, New Mexico

**Vince Saba**

"The Current State of Climate Change Science"

**James Spotila**

"Global Warming and Sea Turtles: A Personal History"

**"Do it like Peter"**

Special tribute to Peter Pritchard presented by  
**Manjula Tiwari, Karen Bjorndal, and Jeanne Mortimer**

**10:30 AM - 11:24 AM: Morning Break**

MARQUIS BALLROOM (1-4), 18 APRIL 2017

**IN WATER BIOLOGY****Chairs: Jeffrey Seminoff, Gabriela Blanco, Jordan Thomson & Kate Mansfield**

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 11:24 AM MAGNETIC NAVIGATION AND GEOMAGNETIC IMPRINTING IN SEA TURTLES  
**Kenneth Lohmann** | Nathan Putman | Roger Brothers | Catherine Lohmann
- 11:36 AM ACOUSTIC TAG ATTACHMENT EFFECTS ON HATCHLING SEA TURTLES WITH NEONATE DISPERSAL FIELD TRIALS ON ATLANTIC LEATHERBACK TURTLES (DERMOCHELYS CORIACEA)  
**George L Shillinger** | Aimee L. Hoover | Sean A. Williamson | Jennifer Swiggs | Frank V. Paladino | Helen Bailey
- 11:48 AM FIRST SATELLITE TRACKS OF SOUTH ATLANTIC SEA TURTLE "LOST YEARS"<sup>™</sup>: TRANS-EQUATORIAL AND SEASONAL IMPLICATIONS FOR POPULATION CONNECTIVITY  
**Kate L. Mansfield** | Milagros L. Mendilaharsu | Nathan Putman | Maria A. G. dei Marcovaldi | Alexander E. Sacco | Yonat Swimmer
- 12:00 PM MODELING MIGRATORY CORRIDORS AND FORAGING HOTSPOTS OF THE GREEN SEA TURTLE IN THE SOUTH WEST INDIAN OCEAN  
**Dalleau, Mayeul** | Kramer-Schadt, Stephanie | Bourjea, JÃ©rÃ©me | Ciccione, StÃ©phane | Grimm, Volker
- 12:12 PM OCEANIC OVERWINTERING IN JUVENILE GREEN TURTLES (*Chelonia mydas*)  
**Amanda Williard** | April Goodman Hall | Ikuko Fujisaki | Joanne Braun McNeill
- 12:24 PM DETECTION AND USE OF SEASONALLY EPHEMERAL FISH-CLEANING STATIONS BY BREEDING SEA TURTLES USING DRONES AND UNDERWATER CAMERAS  
**Kostas Papafitsoros** | Rebecca Haughey | Kostas A. Katselidis | Gail Schofield
- 12:36 PM SUBSURFACE OBSERVATIONS OF LEATHERBACK TURTLES (DERMOCHELYS CORIACEA) WITH AN AUTONOMOUS UNDERWATER VEHICLE (AUV)  
**Kara L. Dodge** | Amy L. Kukulya | Erin Burke | Mark F. Baumgartner
- 12:48 PM THE FEEDING HABITS OF SEA TURTLES INFLUENCE THEIR REACTION TO ARTIFICIAL MARINE DEBRIS  
**Takuya Fukuoka** | Misaki Yamane | Chihiro Kinoshita | Tomoko Narazaki | Greg J. Marshall | Kyler J. Abernathy | Nobuyuki Miyazaki | Katsufumi Sato

**1:00 PM - 2:30 PM : Lunch**

**10:30 AM - 11:24 AM : Morning Break**

MARQUIS BALLROOM (5-8), 18 APRIL 2017

**SPECIAL THEME: CLIMATE CHANGE****Chairs: Vince Saba, Mariana Fuentes, Jacques Laloë & David Pike**

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 11:24 AM CLIMATIC EXTREMES AND THE FATES OF NESTS AND HATCHLINGS: EMPIRICAL MEASURES IDENTIFY CRYPTIC EFFECTS  
**Jeanette Wyneken**
- 11:36 AM SEA TURTLE POCKET NESTING ON RISING SEA LEVEL DURING MARINE TRANSGRESSION; PRESENT, PAST, AND FUTURE  
**Gale A. Bishop** | Brian K. Meyer | Jaynie L. Gaskin | R. Kelly Vance | Brian M. Shamblin | Campbell J. Nairn
- 11:48 AM \*TEMPERATURE-LINKED HATCHLING MORTALITY AT AN IMPORTANT MARINE TURTLE NESTING SITE: IMPLICATIONS IN A WARMING WORLD  
**Jacques-Olivier Laloë** | Jacquie Cozens | Berta Renom | Albert Taxonera | Graeme Hays
- 12:00 PM THE AFFECTS OF CLIMATE CHANGE ON OLIVE RIDLEY NESTING BEACHES IN THE SOUTHERN NICOYA PENINSULA OF GUANACASTE, COSTA RICA  
**Annie Clift** | Madeleine Beange | Randall Arauz
- 12:12 PM CHOOSE WISELY! DIFFERENCES IN ESTIMATED OLIVE RIDLEY SEX RATIOS BETWEEN METHODS  
**Catherine E. Hart** | César P. Ley-Quiñonez | Alan A. Zavala-Norzagaray | Luis Angel Tello | Israel Llamas Gonzalez | Annelisse Barcenás Ibarra | Marc Girondot | F. Alberto Abreu-Grobois
- 12:24 PM \*THE EFFECTS OF A CHANGING CLIMATE ON EMBRYONIC GROWTH, SEX RATIO, AND NESTING PHENOLOGY: A CASE STUDY WITH LOGGERHEADS IN BRAZIL  
**Jonathan Monsinjon** | Milagros Lopez | Paulo Lara | Alex Santos | Maria A.G. dei Marcovaldi | Marc Girondot | Mariana M.P.B. Fuentes
- 12:36 PM BEACH DYNAMICS, HUMAN USE, AND CLIMATE CHANGE: INTERACTIONS THAT IMPACT SEA TURTLE NESTING BEACHES  
**Rachel A Bladow** | Tiffany Roberts Briggs | Sarah L. Milton
- 12:48 PM SEA TURTLE CLIMATE VULNERABILITY ASSESSMENT  
**Matthew Lettrich** | Mariana M. P. B. Fuentes | Joanne Braun McNeill | Vincent Saba | Kyle Van Houtan

**1:00 PM - 2:30 PM : Lunch**

MARQUIS BALLROOM (1-4), 18 APRIL 2017

## IN WATER BIOLOGY

Chairs: Jeffrey Seminoff, Gabriela Blanco, Jordan Thomson & Kate Mansfield

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 2:30 PM \*IN SEARCH OF GREENER PASTURES: USE OF VIDEO FOOTAGE TO STUDY GREEN TURTLE (CHELONIA MYDAS) GRAZING BEHAVIOR  
**Alexandra G. Gulick** | Robert A. Johnson | Alan B. Bolten | Karen A. Bjorndal
- 2:42 PM GREEN TURTLES AND BLUE CARBON: EFFECTS OF GRAZING ON SEAGRASS MEADOW CARBON DYNAMICS  
**Robert A. Johnson** | Alexandra G. Gulick | Alan B. Bolten | Karen A. Bjorndal
- 2:54 PM INTERACTION BETWEEN GREEN TURTLES AND THE INVASIVE SEAGRASS HALOPHILA STIPULACEA IN THE SOUTHERN CARIBBEAN  
**Elizabeth R Whitman** | Laura Garc a Barcia | Nikki Brito | Caroline Rinaldi | Michael Heithaus | Jeremy Kiszka
- 3:06 PM LONG-TERM RESOURCE USE AND FORAGING SPECIALIZATION IN MALE LOGGERHEAD TURTLES  
**Mariela Pajuelo** | Karen A. Bjorndal | Michael D. Arendt | Allen M. Foley | Barbara A. Schroeder | Blair Witherington | Alan B. Bolten
- 3:18 PM KEMPS RIDLEY SEA TURTLE HABITAT USE AND DIET VARIATION REVEALED THROUGH COMBINED TRACE ELEMENT AND STABLE ISOTOPE ANALYSES  
**Matthew D. Ramirez** | Jessica A. Miller | Larisa Avens | Selina S. Heppell
- 3:30 PM \*SEA TURTLE DISTRIBUTION AND HABITAT SELECTION IN THE GULF OF MEXICO FOLLOWING THE DEEPWATER HORIZON OIL SPILL  
**Alexander E Sacco** | Nathan F. Putman | Lance P. Garrison | Erin E. Seney | Kate L. Mansfield
- 3:42 PM DIVE BEHAVIOR OF LEATHERBACK TURTLES DURING MIGRATORY CYCLE IN THE EASTERN PACIFIC  
**Junichi Okuyama** | Jeffrey A. Seminoff | Peter H. Dutton | Scott R. Benson
- 3:54 PM \* HOW THE THREE-DIMENSIONAL OCEAN ENVIRONMENT INFLUENCE THE MARINE TURTLE DIVING BEHAVIORS  
**Wan-Hwa Cheng** | I-Jiunn Cheng | Trisalyn Nelson

**16:06 PM - 16:42 PM : Afternoon Break**

MARQUIS BALLROOM (5-8), 18 APRIL 2017

## CONSERVATION, MANAGEMENT & POLICY

Chairs: Mario Mota, Manjula Tiwari, George Shillinger & Daniela Freggi

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 2:30 PM REDUCING SEA TURTLE INCIDENTAL TAKES BY HOPPER DREDGES: PARTNERING WITH STAKEHOLDERS IN THE DEVELOPMENT OF A DECISION SUPPORT TOOL  
**Doug Piatkowski** | J. Jacob Levenson | Connie Kot
- 2:42 PM \*ASSESSING OCEANIC JUVENILE SEA TURTLE MOVEMENTS IN THE CONTEXT OF MARINE PROTECTED AREAS IN THE GULF OF MEXICO  
**Katrina Phillips** | Kate Mansfield
- 2:54 PM INFORMING MPAS AND GEAR MODIFICATIONS FOR A THREATENED CENTRAL WEST AFRICAN SEA TURTLE SPECIES USING SATELLITE TRACKING  
**Tiffany Dawson** | Pierre Didier Agamboue | Georges Mba Asseko | Francois Boussamba | Phil Doherty | J. Michael Fay | Angela Formia | Brendan Godley | Carmen Karen Kouerey Oliwina | Francis Lambert | Brice Didier Koumba Mabert | Jean Churley Manfoumbi | Kristian Metcalfe | Ivan Ndanga | Jacob Nzegoue | Philippe Du Plessis | Guy Philippe Sounguet | Matthew Witt | Sara Maxwell
- 3:06 PM BUILDING CONSENSUS FOR THE RECOVERY OF THE HAWKSBILL TURTLE, ERETMOCHELYS IMBRICATA, IN THE GULF OF FONSECA REGION, CENTRAL AMERICA  
**Jose Urteaga** | Alexander Gaos | Michael J. Liles | Velkiss Gadea | Leana Corea | David Melero | Ingrid Yañez | Gena Abarca | Eduardo Altamirano | Ani Henríquez
- 3:18 PM APPLICATION OF A UAV TO MONITOR MARINE TURTLE NESTING ACTIVITY FOR A MAJOR INDUSTRY RESOURCE DEVELOPMENT IN WESTERN AUSTRALIA  
**Paul Whittock** | Robert Ryan | Kellie Pendoley
- 3:30 PM EVALUATION OF TRUST TIES AND NEGOTIATION STRATEGIES DEVELOPED FOR SEA TURTLE CONSERVATION AT PIRAMBU, SERGIPE, BRAZIL  
**Gustave Gilles Lopez** | Ana Ruth Rodrigues de Jesus | Camila Felix de Lima Fernandes | Rilquer Mascarenhas | Fábio Costa Nunes | Luiz Humberto Castro de Freitas Filho | Alexandre Igari | Charbel El-Hani
- 3:42 PM \*FIRST STEPS TOWARDS INCLUDING SEA TURTLE RESEARCH IN EXTRACTIVE MARINE RESERVE OF SOURE MANAGEMENT PLAN  
**Beatriz Dias** | Bruna Maria Lima Martins | Maura Elisabeth Moraes de Sousa | Andrei Tiego Cunha Cardoso | Adrian Jordaan
- 3:54 PM HOW TO REGULATE SWIM WITH SEA TURTLE TOURISM? CASE STUDY IN PERU  
**Shaleyla Kelez** | Cristina Santos Perez | Ximena Velez-Zuazo | Maria Antonia Tigre

**16:06 PM - 16:42 PM : Afternoon Break**

MARQUIS BALLROOM (1-4), 18 APRIL 2017

## IN WATER BIOLOGY

Chairs: Jeffrey Seminoff, Gabriela Blanco, Jordan Thomson & Kate Mansfield

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

4:42 PM	BLOBS VS. HULLS: REFINING SEA TURTLE FORAGING HOME RANGES AROUND COMPLEX COASTLINES USING STATE-SPACE MODELING AND NON-PARAMETRIC UTILIZATION DISTRIBUTIONS <b>Andrew DiMatteo</b>   Gwen Lockhart   Susan Barco
4:54 PM	INTERACTION BETWEEN GREEN TURTLES AND THE INVASIVE SEAGRASS HALOPHILA STIPULACEA IN THE SOUTHERN CARIBBEAN <b>Elizabeth R Whitman</b>   Laura García Barcia   Nikki Brito   Caroline Rinaldi   Michael Heithaus   Damien Chevallier   Jeremy Kiszka
5:06 PM	INFERRING SHARK-TURTLE DYNAMICS WITH ACOUSTIC TELEMTRY AND SOCIAL NETWORK ANALYSIS <b>Mariana M.P.B. Fuentes</b>   Anthony Gillis   Tristan Guttridge   Simona Ceriani   Jeffrey A. Seminoff   Matthew Smukall   Maurits Van Zinnicq Bergmann   David Jacoby
5:18 PM	USING FASTLOC-GPS TELEMTRY DATA TO ASSESS FINE-SCALE GREEN TURTLE MOVEMENT AND IDENTIFY REMOTE SEAGRASS HABITAT IN THE INDIAN OCEAN <b>Nicole Esteban</b>   Jeanne A Mortimer   Fredrik Christiansen   Pep Nogues   Pierre-Andre Adam   Graeme Hays
5:30 PM	WHAT'S A NICE GUY LIKE YOU DOING IN A PLACE LIKE THIS? SATELLITE-TRACKING MALE GREEN TURTLES AT THE ARCHIE CARR NATIONAL WILDLIFE REFUGE, THROUGHOUT THEIR MIGRATION, AND AT THEIR FORAGING GROUNDS <b>D.A. Bagley</b>   A.E. Sacco   L.M. Ehrhart   K.L. Mansfield

**5:48 PM - 7:00 PM : Poster Viewing Session**

MARQUIS BALLROOM (5-8), 18 APRIL 2017

## SPECIAL THEME: CITIZEN SCIENCE

Chairs: Stephen Dunbar, Jesús Tomás, Dustin Baumbach & Catherine Bell

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

4:42 PM	TEN YEARS OF CITIZEN SCIENCES AROUND SEA TURTLE PHOTO-IDENTIFICATION: LESSONS LEARNED AND PERSPECTIVES <b>Claire Jean</b>   Stephane Ciccione
4:54 PM	† CITIZEN SCIENCE MONITORING OF GREEN SEA TURTLES IN LONG BEACH CA <b>Dan Lawson</b>   Barbara Ramon   Cassandra Davis   Kim Thompson   Eric Zahn
5:06 PM	*THE FISHERS KNOW: USING LOCAL EXPERIENCE TO COLLECT DATA ON A POORLY KNOWN SEA TURTLE POPULATION Noemi Duran   <b>Marsha Wright</b>   Lidia Salinas   Stephen G. Dunbar
5:18 PM	SIREN-TURTLES, A MOBILE APP TO FACILITATE DATA COLLECTION, COMPARABILITY AND SHARING OF BEACH NESTING DATA <b>Takoukam Kamla Aristide</b>
5:30 PM	*THE DEVELOPMENT OF LOCAL AND GLOBAL CITIZEN-SCIENCE SEA TURTLE MONITORING <b>Dustin Baumbach</b>   Edward Anger   Stephen Dunbar

**5:48 PM - 7:00 PM : Poster Viewing Session**

TUESDAY, APRIL 18<sup>TH</sup>

**Marine Turtle Specialist Group Meeting**    5:30 PM – 7 PM    CATALUNA  
Organizers: Rod Mast, Paolo Casale



MARQUIS BALLROOM (1-4), 19 APRIL 2017

**NESTING BIOLOGY****Chairs: Shaya Honarvar, Alan Rees, Ana Barragan & Tomotomi Saito**

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9:00 AM	<p>COMPARING THE EFFECT OF TEMPERATURE ON THE DURATION OF THE INTERESTING INTERVAL ACROSS MULTIPLE SEA TURTLE SPECIES</p> <p><b>Nathan J. Robinson</b>   Gabriela Blanco   Chelsea Clyde-Brockway   Jacob E. Hill   Samir H. Patel   Aliko Panagapoulou   Pilar Santidrián Tomillo   George S. Shillinger   Cassandra Williams   James R. Spotila   Frank V. Paladino</p>
9:12 AM	<p>LOGGERHEAD AND GREEN TURTLE REPRODUCTIVE SUCCESS ON A MIXED USE BEACH: AN 11-YEAR COMPARATIVE ANALYSIS OF CONTRIBUTING FACTORS</p> <p><b>Rebekah Lindborg</b>   Emily Neidhardt   Blair Witherington   J. Rachel Smith   Anne Savage</p>
9:24 AM	<p>FREQUENCY OF OCCURRENCE, FORAGING AREAS AND REPRODUCTIVE HISTORIES OF LOGGERHEAD TURTLES THAT NESTED ON SUCCESSIVE YEARS ON KEEWAYDIN ISLAND, FLORIDA, U.S.A.</p> <p><b>David Addison</b>   Kate Mansfield   Katrina Phillips</p>
9:36 AM	<p>NEST TO SURF MORTALITY OF LOGGERHEAD SEA TURTLE HATCHLINGS ON FLORIDA'S EAST COAST</p> <p><b>Victoria Erb</b>   Jeanette Wyneken</p>
9:48 AM	<p>†NESTING STRATEGIES OF INDIVIDUAL LOGGERHEAD SEA TURTLES (<i>Caretta caretta</i>) ON BALD HEAD ISLAND, NORTH CAROLINA</p> <p><b>Emily E. Hardin</b>   Brooke Milligan   G. Christopher Shank</p>
10:00 AM	<p>INTRA-SEASONAL AND INTER-SEASONAL NEST SITE FIDELITY OF NORTHERN RECOVERY UNIT LOGGERHEAD TURTLES</p> <p><b>Brian M. Shamblin</b>   Mark G. Dodd   S. Michelle Pate   DuBose B. Griffin   Matthew H. Godfrey   Michael S. Coyne   Ruth Boettcher   Campbell J. Nairn</p>
10:12 AM	<p>HAWKSBILLS AT JUMBY BAY: INSIGHTS FROM 30 YEARS OF SATURATION TAGGING AT A NESTING POPULATION IN ANTIGUA, WEST INDIES</p> <p><b>Seth Stapleton</b>   Kathryn Levasseur   Andrew Maurer   Alexandra Fireman   Jillian Tucker   Carol Guy   James Richardson</p>

**10:30 AM - 11:24 AM : Morning Break**

MARQUIS BALLROOM (5-8), 19 APRIL 2017

**CONSERVATION, MANAGEMENT & POLICY**

Chairs: Mario Mota, Manjula Tiwari, George Shillinger &amp; Daniela Freggi

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

9:00 AM	*A THEORY-BASED EVALUATION OF THREE DECADES OF LIGHTING ORDINANCES FOR SEA TURTLE PROTECTION IN FLORIDA <b>Jame McCray</b>
9:12 AM	AN UPDATE ON THE RESEARCH AND MANAGEMENT NEEDS FOR THE SEA TURTLE POPULATIONS OF MYANMAR <b>Maung Maung Lwin</b>   Martin Callow   Robert Howard   Douglas Hykle   Colin Limpus   Tania Miorin   David Owens
9:24 AM	*IMPORTANCE OF A PROPER DATA COLLECTION ON MARINE TURTLE STRANDINGS <b>Patricia Ostiategui - Francia</b>   Alejandro Usategui - Martín   Andrea Fariñas-Bermejo   Ana Liria-Loza
9:36 AM	ADVANCING AREA-BASED PLANNING AND NETWORK APPROACHES IN AREAS BEYOND NATIONAL JURISDICTIONS: A GLOBAL REVIEW OF DATA ON MIGRATION AND AREAS WITH SPATIAL CONNECTIVITY FOR SEA TURTLES <b>Connie Y. Kot</b>   Daniel C. Dunn   Corrie Curtice   Eleanor Heywood   Guillermo Ortuño Crespo   Jesse Cleary   Ei Fujioka   Benjamin Donnelly   Patrick N. Halpin
9:48 AM	TURTLE ACTION GROUP OF SEYCHELLES (TAGS) <b>Jeanne A. Mortimer</b>
10:00 AM	*RASTOMA: WORKING TOGETHER TO PROTECT SEA TURTLES IN CENTRAL AFRICA <b>Alexis Guilleux</b>   Alexandre Girard   Isidore Ayissi   Samuel Mbungu Ndamba   Rodrigue Ngafack   Roland Missilou Boukaka
10:12 AM	IMPROVEMENTS AND ADVANCES IN CONSERVATION OF CHELONIA MYDAS NESTING BEACHES ON ANDERSEN AIR FORCE BASE, GUAM <b>Jessica DeBlieck</b>   MaryLou Staman   Joshua Salas   Jennifer Horeg   Terry Donaldson

**10:30 AM - 11:24 AM : Morning Break**

MARQUIS BALLROOM (1-4), 19 APRIL 2017

**POPULATION BIOLOGY & MONITORING****Chairs: Rhema Bjorkland, Selina Heppell, Tomo Egushi & Marc Girondot**

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 11:00 AM INCREASED PRESENCE OF JUVENILE KEMP'S RIDLEY AND GREEN SEA TURTLES IN SOUTH CAROLINA, USA: AN ANALYSIS OF TEMPORAL TRENDS AND SPATIAL DISTRIBUTION USING LONG-TERM DATASETS  
**Elizabeth Duermit** | Jennifer Cormany | Charlotte Hope | Michelle Pate
- 11:12 AM \*MODELING SUGGESTS A LONG-TERM, STABLE OSCILLATION UNDER STOCHASTIC CONDITIONS FOR THE LARGEST LOGGERHEAD NESTING ASSEMBLAGE IN THE NW ATLANTIC OCEAN  
**Michael D. Arendt** | Ryan R. Rykaczewski | David S. Wethey | Roger H. Sawyer | Joseph M. Quattro
- 11:24 AM POPULATION DYNAMICS OF SEA TURTLES IN THE BIG BEND REGION OF FLORIDA  
**Jeffrey Guertin** | Michael Bresette | Jonathan Gorham | Cody Mott | Ryan Welsh | Steve Weege
- 11:36 AM \*LINKING OCEANOGRAPHY TO LONG-TERM TRENDS IN FORAGING ECOLOGY AND POPULATION DEMOGRAPHY OF NORTH ATLANTIC LEATHERBACK TURTLES  
**Elizabeth Hetherington** | Jeffrey A. Seminoff | Peter H. Dutton | Brian N. Popp | Carolyn M. Kurle
- 11:48 AM WHY HAS THE KEMP'S RIDLEY DEVIATED FROM AN EXPONENTIAL RECOVERY RATE? A REVIEW OF HYPOTHESES  
**Thane Wibbels** | Elizabeth Bevan | Benny Galloway | Blanca Zapata Najera | Laura Sarti Martinez | Francisco Illescas | Jaime Pena | Patrick Burchfield
- 12:00 PM AN EYE IN THE SKY IS BETTER THAN BODIES IN THE BOAT: USE OF UAV DRONES TO COUNT TURTLES AND DETERMINE THE OPERATIONAL SEX RATIO AT A MAJOR BREEDING GROUND ON THE GREAT BARRIER REEF  
**Richard Reina**
- 12:12 PM THE APPLE DOESN'T FALL FAR FROM THE TREE: mtDNA GENETIC CHARACTERIZATION OF HAWKSBILL FORAGING GROUNDS IN THE EASTERN PACIFIC OCEAN  
**Alexander R. Gaos** | Rebecca L. Lewison | Michael P. Jensen | Michael J. Liles | Jesus Lucero | Karen Ocegüera | Alan Zavala | ... | Joanna Alfaro | Ingrid L. Yañez | Peter H. Dutton
- 12:24 PM USING ISOSCAPES TO UNDERSTAND THE DYNAMICS OF FORAGING HOTSPOTS CONTRIBUTIONS TO LOGGERHEAD HATCHLING PRODUCTIVITY AT THE ARCHIE CARR NATIONAL WILDLIFE REFUGE, FLORIDA  
**Simona Ceriani** | John F Weishampel | Llewellyn M Ehrhart | Katherine L Mansfield | Michael B Wunder
- 12:36 PM \*A PRIMER OF GREEN TURTLE STOCK DISTRIBUTION IN THE EASTERN PACIFIC: INSIGHTS FROM REGIONAL FORAGING GROUNDS  
**Maïke Heidemeyer** | F. Alberto Abreu-Grobois | Michael P. Jensen | Randall Arauz | Didiher Chacón | Luis Fonseca | Diego Amorocho | Daniel Sánchez | ... | Daniela Alarcón | Todd Steiner | Federico Albertazzi
- 12:48 PM REGIONAL GROWTH DYNAMICS OF GREEN TURTLES IN THE WEST ATLANTIC  
**Karen A. Bjorndal** | Alan B. Bolten | Milani Chaloupka | Vincent S. Saba | Cláudio Bellini | Maria A. G. Marcovaldi | ... | Janice Blumenthal | Lucy Collyer

**1:00 PM - 2:30 PM : Lunch**

MARQUIS BALLROOM (5-8), 19 APRIL 2017

## FISHERIES & THREATS

Chairs: Rebecca Lewison, Takashi Ishihara, Jeffrey Mangel & Randall Arauz

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- |          |  |
|----------|--|
| 11:00 AM | POPULATION THREATS TO HAWAIIAN HAWKSBILL SEA TURTLES REVEALED FROM THREE DECADES OF STRANDINGS<br><b>Shandell Brunson</b>   Kyle S. Van Houtan   Stacy Hargrove   Thierry Work   |
| 11:12 AM | THE STRANDING NETWORK IN TAIWAN<br><b>I-Jiunn Cheng</b>   Wan-hwa Cheng  |
| 11:24 AM | MITIGATING SEA TURTLE BYCATCH IN U.S. LONGLINE FISHERIES: ANALYSES OF 20+ YEARS OF OBSERVER DATA FROM THE PACIFIC AND ATLANTIC OCEANS<br><b>Yonat Swimmer</b>   Alexis Gutierrez   Keith Bigelow   Caren Barcelo   Barbara Schroeder   Kenneth Keene   Keith Shattenkirk   Daniel Foster |
| 11:36 AM | SEA TURTLE BYCATCH CHARACTERIZATION IN GILLNET FISHERY IN PALOH WATER, SAMBAS DISTRICT<br><b>Dwi Ariyogagautama</b>   John H. Wang   Wahyu Teguh P   Sadri   Christian Novia Handayani   |
| 11:48 AM | *SEA TURTLE BY-CATCH REDUCTION IN GHANA'S GILLNET FISHERY<br><b>Andy Agyekumhene</b>   Phil Allman   |
| 12:00 PM | RAPID ASSESSMENT : FISHING GEAR CHARACTERISTIC AND SEA TURTLE BYCATCH BASELINE IN WEST NUSA TENGGARA AND NORTH SULAWESI<br><b>Wahyu Teguh Prawira</b>  |
| 12:12 PM | TRADITIONAL KNOWLEDGE REDUCTION OF TURTLE ENTANGLEMENT IN GILLNET FISHERIES BY ADOPTING<br><b>Muhammad Moazzam</b>   |
| 12:24 PM | TARTALIFE PROJECT: IDENTIFICATION OF THE BYCATCH HOT SPOTS AREAS AND IMPLEMENTATION OF RELIABLE MITIGATION DEVICES IN MEDITERRANEAN SEA<br>Alessandro Lucchetti   Massimo Virgili   <b>Claudio Vasapollo</b>   |
| 12:36 PM | GLOBAL HARVEST AND TRADE OF MARINE TURTLES<br><b>Jesse Senko</b>   Maria del Mar Mancha Cisneros   Frances Humber   Lekelia D. Jenkins   Irene K. Kelly   Volker Koch   Andrew T. Smith   Trevor Fox   Casey Peterson   Annette C. Broderick   Brendan J. Godley   Bryan P. Wallace      |
| 12:48 PM | *MAPPING THE GOODS: USING THE TURT SMARTPHONE APPLICATION TO RECORD HAWKSBILL PRODUCT USE<br><b>Lidia Salinas</b>   Stephen G. Dunbar  |

**1:00 PM - 2:30 PM : Lunch**

MARQUIS BALLROOM (1-4), 19 APRIL 2017

**POPULATION BIOLOGY & MONITORING**

Chairs: Rhema Bjorkland, Selina Heppell, Tomo Egushi &amp; Marc Girondot

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2:30 PM	*QUANTIFYING UNCERTAINTY IN LOGGERHEAD LENGTH-AT-AGE RELATIONSHIPS <b>Brandon Chasco</b>   Selina Heppell   Jim Thorson
2:42 PM	AN ASSESSMENT OF MALE HAWKSBILL SEA TURTLES (ERETMOCHELYS IMBRICATA) IN THE NESTING POPULATION OF BUCK ISLAND REEF NATIONAL MONUMENT, ST. CROIX, USVI <b>Paul Hillbrand</b>   Paul Jobsis   Alice Stanford   Clayton Polluck   Zandy Hillis-Starr   Kelly Stewart
2:54 PM	LIFE HISTORY AND DEMOGRAPHY OF A NESTING POPULATION OF LEATHERBACK SEA TURTLES (DERMOCHELYS CORIACEA) AT ST. CROIX, U. S. VIRGIN ISLANDS, 1992-2013 <b>William Kendall</b>   Kristen Pearson   Peter Dutton   Kelly Stewart   Claudia Lombard   Jennifer Valiulus
3:06 PM	*REPRODUCTIVE OUTPUT OF HYBRID SEA TURTLES AND PARENTAL SPECIES <b>Luciano S. Soares</b>   Alan B. Bolten   Marta L. Wayne   Sibelle T. Vilaça   Fabrício R. Santos   Maria A. G. dei Marcovaldi   Karen A. Bjorndal
3:18 PM	MONITORING STRATEGY EVALUATION: A NEW TOOL TO IMPROVE MONITORING AND STATUS DETERMINATIONS FOR SEA TURTLES <b>Susan Piacenza</b>   Paul Richards   Selina Heppell
3:30 PM	GREAT, WE SAVED THEM! NOW WHAT? <b>Selina S. Heppell</b>
3:42 PM	DIE ANOTHER DAY; GROWTH MODEL REVEALS HIGH NATURAL SURVIVAL IN LOGGERHEAD SEA TURTLES <b>Leslie Schroeder</b>
3:54 PM	*UNTANGLING NEARSHORE SEA TURTLE DENSITIES: UAS APPLICATIONS FOR POPULATION ASSESSMENTS <b>Seth Sykora-Bodie</b>   Vanessa Bezy   Dr. David Johnston   Everette Newton   Dr. Kenneth Lohman

**16:06 PM - 16:42 PM : Afternoon Break**

MARQUIS BALLROOM (5-8), 19 APRIL 2017

## FISHERIES & THREATS

Chairs: Rebecca Lewison, Takashi Ishihara, Jeffrey Mangel & Randall Arauz

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- |         |  |
|---------|--|
| 2:30 PM | MAN VERSUS MACHINE: ELECTRONIC MONITORING VERSUS ON-BOARD OBSERVERS IN SMALL-SCALE FISHERIES IN PERU<br>David Bartholomew   <b>Jeffrey C. Mangel</b>   Joanna Alfaro-Shigueto   Sergio Pingo   Astrid Jimenez   Brendan J. Godley  |
| 2:42 PM | ASSESSING GAS EMBOLISM RISK IN BY-CAUGHT SEA TURTLES FROM TRAWLING AND GILLNET FISHERIES<br><b>Jose Luis Crespo-Picazo</b>   Andreas Fahlman   Blair Sterba-Boatwright   Brian A. Stacy   Daniel García-Párraga  |
| 2:54 PM | KEMP'S RIDLEY ( <i>Lepidochelys Kempii</i> ) BYCATCH IN MISSISSIPPI, COMPARING ANGLING METHODS WITH CATCH DATA<br><b>Eric E. Pulis</b>   Andrew J. Heaton   Mystera M. Samuelson   Alicia M. Carron   Melissa Cook   Jonathan L. Pitchford   Debra P. Moore   Moby Solangi                           |
| 3:06 PM | DOES RECREATIONAL DIVING IMPACT HAWKSBILL SEA TURTLE FORAGING BEHAVIOR? RESULTS FROM A MARINE PROTECTED AREA, HONDURAS<br><b>Christian Hayes</b>   Dustin Baumbach   David Juma   Stephen Dunbar   |
| 3:18 PM | CONSEQUENCES OF DRIFT AND DECAY OF SEA TURTLE CARCASSES FOR THE ESTIMATION OF TURTLE MORTALITY LOCATIONS FROM STRANDING DATA IN THE CHESAPEAKE BAY<br><b>Bianca S. Santos</b>   David M. Kaplan   Marjorie A.M. Friedrichs   Susan G. Barco   Sarah Rose   Katherine L. Mansfield   James P. Manning |
| 3:30 PM | ECOLOGICAL AND SOCIAL IMPLICATIONS OF A TIME-AREA CLOSURE FOR LEATHERBACK TURTLE CONSERVATION<br><b>Julia G. Mason</b>   |
| 3:42 PM | FISHERY AS ADMINISTRATIVE UNIT: IMPLICATIONS FOR SEA TURTLE CONSERVATION<br><b>Bruno de Barros Giffoni</b>   Gilberto sales   Nilamon O. Leite Jr   Mariana de Karan e Britto   Fernando N. Fiedler   George Olavo   |
| 3:54 PM | IMPACTS OF HARMFUL ALGAL BLOOMS ON THE MARINE TURTLES IN A CENTRAL FLORIDA DEVELOPMENTAL HABITAT<br><b>Chris Long</b>   Céline Mollet-St. Benoît   Ryan Chabot   Kendra Cope   Kate Mansfield  |

**16:06 PM - 16:42 PM : Afternoon Break**

MARQUIS BALLROOM (1-4), 19 APRIL 2017

## NESTING BIOLOGY

Chairs: Shaya Honarvar, Alan Rees, Ana Barragan & Tomotomi Saito

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

4:42 PM	A DECADE OF TAGGING SOLITARY NESTING OLIVE RIDLEYS IN COSTA RICA REVEALS A CONDITIONAL NESTING STRATEGY <b>Maddie Beange</b>   Randall Arauz
4:54 PM	*EFFECT OF AGE ON THE REPRODUCTIVE FITNESS OF EAST PACIFIC LEATHERBACK TURTLES <b>Jenell Black</b>   Nathan J. Robinson   Lauren M. Cruz   Pilar Santidrián Tomillo   James R. Spotila   Frank V. Paladino
5:06 PM	*LEATHERBACK, OLIVE RIDLEY AND GREEN TURTLE VOCALIZATIONS DURING DEVELOPMENT AND EMERGENCE COMPARED <b>Lindsay McKenna</b>   Nathan Robinson   Frank Paladino
5:18 PM	BREAK ON THROUGH TO THE OTHER SIDE (OF THE EGG) <b>Boris M Tezak</b>   Itzel Sifuentes-Romero   Jeanette Wyneken
5:30 PM	THE HYDRIC ENVIRONMENT INSIDE A TURTLE NEST: HOW DOES MOISTURE AFFECT DEVELOPMENT? <b>Itzel Sifuentes</b>   Boris Tezak   Jeanette Wyneken   Sarah Milton

**5:48 PM - 7:00 PM : Poster Viewing Session**

MARQUIS BALLROOM (5-8), 19 APRIL 2017

**SOCIAL, ECONOMICAL & CULTURAL STUDIES**

Chairs: Zoë Meletis, Hector Barrios-Garrido & Irene Kelly

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

4:42 PM	SOUTHERN CALIFORNIA'S SEA TURTLES: PUBLIC PERCEPTIONS AND CONSERVATION IMPACTS <b>Sabrina Mashburn</b>
4:54 PM	CAN ALTERNATIVE LIVELIHOODS SUCH AS ECOTOURISM BE A SOLUTION TO CONFLICT BETWEEN MARINE TURTLES AND FISHERS? <b>Ridhi Chandarana</b>   Kartik Shanker   Muralidharan M.
5:06 PM	TOURIST PERCEPTION ON COMMERCIAL SEA TURTLE HATCHERIES IN SRI LANKA <b>Rupika Subashini Rajakaruna</b>
5:18 PM	HOW LOCAL ECOLOGICAL KNOWLEDGE CAN GUIDE CONSERVATION INITIATIVES FOR OLIVE RIDLEY SEA TURTLES ( <i>Lepidochelys olivacea</i> ) IN COSTA RICA <b>Anna Hall</b>   Annie Clift   Maddie Beange
5:30 PM	*CONSERVATION CONFLICTS RELATED TO MARINE TURTLE INITIATIVES: CARIBBEAN STUDY CASES <b>Hector Barrios-Garrido</b>   Alfonso Ruiz-Moreno   Omar Ramirez-Flores   Natalie Wildermann   Amy Diedrich   Mark Hamann

**5:48 PM - 7:00 PM : Poster Viewing Session**

WEDNESDAY, APRIL 19<sup>TH</sup>

**Speed Chatting with the Experts**      5:30 PM – 7 PM      ANDALUCIA  
Organizers: Hector Barrios-Garrido, Vanesa Bezy, Emma Harisson



MARQUIS BALLROOM (1-4), 20 APRIL 2017

**ANATOMY, PHYSIOLOGY & HEALTH**

Chairs: Jeanette Wyneken, David Rostal, Robert George &amp; Isao Kawazu

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 9:00 AM \*THE EFFECT OF ESTRADIOL ON THE OVARIAN DIFFERENTIATION OF MARINE TURTLE *Lepidochelys olivacea*  
**Alma Guadalupe Vazquez Gomez** | Horacio Merchant Larios | Alejandro Marmolejo Valencia | Veronica Diaz Hernandez
- 9:12 AM \* GONADAL SOX9 EXPRESSION, NEST TEMPERATURE AND SEX RATIO IN THE OLIVE RIDLEY *Lepidochelys olivacea*  
**Andrea Hernández-Romero** | Luis Javier Chino-Palomo | Martha Harfush-Meléndez | Alejandro Marmolejo-Valencia | Horacio Merchant-Larios
- 9:24 AM UNUSUAL SEXUAL DIMORPHISM AND SMALL ADULT SIZE FOR OLIVE RIDLEY SEA TURTLE ARE LINKED TO SIZE AND MASS DEVELOPMENTAL CONSTRAINT  
**Alexandre Girard** | Nathalie Breheret | Gaëlle Bal | Jean-Gabriel Mavoungou | Félix Tchibinda | Fils Makaya | Marc Girondot
- 9:36 AM COMPARATIVE ANALYSIS OF CONGENITAL MALFORMATION RATES BETWEEN TWO OLIVE RIDLEY NESTING COLONIES FROM MEXICAN PACIFIC COAST  
**Annelisse Bárcenas-Ibarra** | Horacio de la Cueva | Julian M. Zepeda-Gayol | Michelle E. Dorantes-Palacios | Miguel Á. Coyote-Tabaco
- 9:48 AM COMPARING PERSISTENT ORGANIC POLLUTANTS AND TRACE METALS IN GREEN SEA TURTLES INHABITING TWO URBANIZED HABITATS IN SOUTHERN CALIFORNIA  
**Arthur Barraza**
- 10:00 AM MEASUREMENT OF MONOESTER PHTHALATE METABOLITES AS MARKERS OF PHTHALATE CONTAMINATION IN EGGS OF DERMOCHELYS CORIACEA AND *Caretta caretta*  
**Javier Velasco** | Curtis Hedman | Warren Porter | Roberta Dollinger | Alissa Lenz
- 10:12 AM STRESS RESPONSE OF LOGGERHEAD SEA TURTLES (*Caretta caretta*) ENTRAINED IN THE ST. LUCIE NUCLEAR PLANT, HUTCHINSON ISLAND, FLORIDA  
**Martha Villalba** | Roldán Valverde | Michael Bresette

**10:30 AM - 11:24 AM : Morning Break**

MARQUIS BALLROOM (5-8), 20 APRIL 2017

## EDUCATION, OUTREACH & ADVOCACY

Chairs: Ingrid Yañez, Thushan Kapurusinghe & Brad Nahill

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

9:00 AM	USE OF ARTS TO CREATE AWARENESS ON SEA TURTLES IN SRI LANKA <b>Thushan Kapurusinghe</b>   Tharanga Herath   Himali Purnima   Syama Wijekulasuriya   Danushka Mahanama   Lucia Reyna
9:12 AM	RIDING THE WAVE OF ED-TECH: DEVELOPING A FAR-REACHING STEALTH EDUCATIONAL AND AWARENESS TOOL <b>Anna Stamatiou</b>   Emelia Jones
9:24 AM	TOO RARE TO WEAR: A CAMPAIGN TO END DEMAND FOR TURTLESHELL IN LATIN AMERICA <b>Brad Nahill</b>   Emma Harrison   Paula von Weller   Wallace J. Nichols   Jose Urteaga   Didiher Chacon   Georgina Zamora   Stephen G. Dunbar   David Melero   Eric Ramos   Gena Abarca   Julia Azanza Ricardo   Karla Barrientos   Cristian Ramírez Gallego
9:36 AM	ENGAGING SAN DIEGO'S UNDERSERVED YOUTH IN SEA TURTLE RESEARCH EXPERIENCES IN BAJA CALIFORNIA, MEXICO <b>Joel Barkan</b>   Shara Fisler   Wendy Piniak   Yonat Swimmer   John Wang
9:48 AM	† FROM HUNTERS TO CONSERVATIONIST: SEEKING TO CHANGE THE WAYS IN WHICH RURAL COMMUNITIES IN NIGERIA SELF-IDENTIFY <b>Felix Abayomi</b>
10:00 AM	*TURTLE FREE RESTAURANT CAMPAIGN <b>Ryley Parent</b>
10:12 AM	*ECONOMIC AND EDUCATIONAL OUTREACH PROGRAMS IN EQUATORIAL GUINEA <b>Elizabeth Sinclair</b>   Gertrudis Ribado   Frank Paladino   Shaya Honarvar

**10:30 AM - 11:24 AM : Morning Break**

MARQUIS BALLROOM (1-4), 20 APRIL 2017

**ANATOMY, PHYSIOLOGY & HEALTH**

Chairs: Jeanette Wyneken, David Rostal, Robert George &amp; Isao Kawazu

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 11:00 AM PREVALENCE AND MOLECULAR CHARACTERIZATION OF CHELONID HERPESVIRUS 5 (ChHV5) IN GREEN TURTLES (*Chelonia mydas*) WITH AND WITH FIBROPAPILLOMATOSIS IN AREAS OF BRAZILIAN ATLANTIC COAST  
**Marco Aurélio Gattamorta** | Sheila Oliveira de Souza Silva | Sueli Akemi Taniwaki | Ana Cristina Vigliar Bondioli | Juliana Jordão | Fabiola Eloísa Setim Prioste | Silmara Rossi | Paulo Eduardo Brandão | Eliana Reiko Matushima
- 11:12 AM TEMPORAL ANALYSIS OF CHELONID FIBROPAPILLOMA-ASSOCIATED HERPESVIRUS (CFPHV) PREVALENCE IN JUVENILE GREEN TURTLES (*Chelonia mydas*) AT TWO COASTAL FORAGING GROUNDS  
**Jake Kelley** | Matt Lawrance | Anna Savage | Kate Mansfield
- 11:24 AM CO-EVOLUTIONARY DYNAMICS OF IMMUNE GENES AND HERPESVIRUSES IN JUVENILE GREEN AND LOGGERHEAD SEA TURTLES  
**Anna E. Savage** | Matthew Lawrance | Elizabeth Abney | Katherine L. Mansfield
- 11:36 AM A REVIEW OF FIBROPAPILLOMATOSIS IN THE BAHAMAS  
**Annabelle Brooks** | Alan Bolten | Mariana Fuentes | Stephen Connett | Barbara Crouchley | Megan Gary | ... | Elizabeth Whitman | Anthony Gillis | Karen Bjorndal
- 11:48 AM PARALYTIC SHELLFISH POISONING (PSP) AS POSSIBLE CAUSE OF SEA TURTLE MORTALITY IN THE MEXICAN PACIFIC COAST  
**C.P. Ley-Quifóñez** | C.E. Hart | R. Alonso-Rodríguez | R. Leal-Moreno | B.A. Espinoza-Romo | A.A. López-García | ... | Edna G. Meza-González | Paula Aguilar-Claussell | A.A. Aguirre | A.A. Zavala-Norzagaray
- 12:00 PM TREATMENT PROTOCOLS FOR ENDANGERED SEA TURTLES EXPOSED TO BREVETOXIN DURING HARMFUL ALGAL BLOOMS  
**Sarah Milton** | Courtney Cocilova | Gregory Bossart | Leanne Flewelling
- 12:12 PM BLOOD BIOCHEMISTRY VALUES OF LOGGERHEAD TURTLES IN FORAGING, INJURED AND DIFFERENT NESTING POPULATIONS IN THE WESTERN MEDITERRANEAN COAST OF TURKEY  
**Doğan Sözbilen** | Yakup Kaska
- 12:24 PM PHARMACOKINETICS OF MELOXICAM IN LOGGERHEAD (*Caretta caretta*), KEMP'S RIDLEY (*Lepidochelys kempii*), AND GREEN (*Chelonia mydas*) SEA TURTLES AFTER SUBCUTANEOUS ADMINISTRATION  
**Terry Norton** | Sherry Cox | Tonya Clauss | Stephanie Stowell | Carrie Thistle | Rachel Sommer | Allison Hardman | Michelle Kaylor
- 12:36 PM \*BLOOD GASES, BIOCHEMISTRY, AND HEMATOLOGY OF GALAPAGOS HAWKSBILL TURTLES (*Eretmochelys imbricata*)
- 12:48 PM \*PATHOLOGICAL FINDINGS IN SEA TURTLES STRANDED ALONG THE NORTH WESTERN COAST OF THE ADRIATIC SEA  
Erica Marchiori | Lisa Poppi | Cinzia Centelleghé | Maria Luisa Menandro | Daniela Pasotto | Nicola Novarini | Giuseppe Palmisano | Federica Marcer

**1:00 PM - 2:30 PM : Lunch**

## MARQUIS BALLROOM (5-8), 20 APRIL 2017

## NESTING BIOLOGY

Chairs: Shaya Honarvar, Alan Rees, Ana Barragan &amp; Tomotomi Saito

(\*Denotes Archie Carr best student paper award candidate; † Denotes Grassroots paper award candidate; Presenting author in **BOLD**)

- 11:00 AM HAWKSBILL (*Eretmochelys Imbricata*) UNIQUE NESTING BEHAVIOR IN ESTERO PADRE RAMOS AND ASERRADORES  
**Eduardo Altamirano** | Velkiss Gadea | Jose Urteaga | Alexander Gaos | Perla Torres | Mike Liles | Luis Manzanares | Ingrid Yañez
- 11:12 AM †WEATHERING OF HAWKSBILL TURTLE CRAWLS ON THE ISLAND OF BARBUDA: IMPORTANCE FOR ESTIMATING SIZE OF NESTING INDIVIDUALS AND UNDERSTANDING THE ROLE OF ABIOTIC FACTORS ON CRAWL APPEARANCE AND SIZE  
Nancy Todd | Maxine Montello | Melissa LaCroce | **Wendy McFarlane**
- 11:24 AM THERMAL REACTION NORM FOR SEXUALISATION : THE MISSING LINK BETWEEN NEST TEMPERATURE AND SEX RATIO  
**Marc Girondot** | Richard C. Vogt | Jonathan Monsinjon | Camilla Kurzmann | Jean-Michel Guillon
- 11:36 AM \*RELATIONSHIP BETWEEN THE INCUBATION LENGTH AND THE SEX RATIO IN SEA TURTLES *Lepidochelys olivacea* IN THE MONTEERRICO MULTIPURPOSE NATURAL RESERVE (RNUMM), GUATEMALA.  
**Alejandra Morales-Merida** | Dulce María Bustamante Zamora | Claudio Mendez | Marc Girondot
- 11:48 AM †EVALUATING HATCHLING FITNESS IN RELATION TO NEST TEMPERATURES OF LEATHERBACK (*Dermochelys coriacea*) SEA TURTLES AT JAMURSBA MEDI NESTING BEACH, BIRD'S HEAD SEASCAPE – PAPUA BARAT, INDONESIA  
Ricardo Tapilatu | **Amy N. Bonka** | William G. Iwanggin | Hengki Wona | Yairus Swabra | Sadrak Woisiri | Riky M. Mayor | Erick Sembor | Petrus P. Batubara | Theo Ampnir | Gideon Y. Waroy | Roi Rumbiak | Thane Wibbels
- 12:00 PM BETA TESTING NESTING SAFE - NEW TECHNOLOGY FOR NEST FINDING AND ENVIRONMENTAL TEMPERATURE MONITORING  
**Stephen G. Dunbar** | John Bonardelli | Emily Manzano | Ryan De La Garza | Denny Estevez | Lidia Salinas
- 12:12 PM \*ASSESSING THE NEED AND IMPLICATIONS OF SEA TURTLE NEST RELOCATION  
**Matthew Ware** | Jacqueline Sablan | Alyssa Getz | Dianne Ingram | Mariana MMPB Fuentes
- 12:24 PM DETECTION DOGS FOR SEA TURTLE NESTING BEACH MONITORING, MANAGEMENT, AND CONSERVATION OUTREACH  
**Blair Witherington** | Pepe Peruyero | J. Rachel Smith | Marty MacPhee | Rebekah Lindborg | Emily Neidhardt | Anne Savage
- 12:36 PM FUNGUS AMONG-US: WHAT WE DO KNOW, WHAT WE DON'T KNOW, AND WHAT WE STILL NEED TO KNOW ABOUT MICROBES IN SEA TURTLE NESTS  
**Andrea D. Phillott**
- 12:48 PM NOVEL METHOD FOR EVALUATING WATER STRESSORS AND THEIR EFFECTS ON SEA TURTLE EGG MORTALITY  
**Emily Neidhardt** | Rebekah Lindborg | Blair Witherington | J. Rachel Smith | Anne Savage

**1:00 PM - 2:30 PM : Lunch**

THURSDAY, APRIL 20<sup>th</sup> 3:30 PM - 5:30 PM

**INTERNATIONAL SEA TURTLE SOCIETY PLENARY MEETING**

**MARQUIS BALLROOM**

Please attend the ISTS Plenary Meeting to discuss ISTS business operations, vote on ISTS2017 Resolutions, and hear voting results for leadership at the 2019 Annual Symposium

THURSDAY, APRIL 20<sup>th</sup> 7:00 – 11:00 PM

**FAREWELL BANQUET & AWARDS CEREMONY**

**VALENCIA BALLROOM**