Session 153
Research Ocean Observatories: Progress and Emerging Technologies

Session Chairs:
Holly Given (Director, Ocean Observing Activities, Consortium for Ocean Leadership)
Susan Banahan (Associate Director, Ocean Observing Activities, Consortium for Ocean Leadership)

Poster Presentations
Thursday, March 6, 2008 • Location: Poster Hall

Edgington, D R; Cline, D E; Mariette, J
AN AUTOMATED VISUAL EVENT DETECTION SYSTEM FOR OBSERVATORY VIDEO

Murphy, D J; Larson, N G; Edwards, B C
IMPROVEMENTS TO THE ALGORITHM FOR CTD OXYGEN CALIBRATION

Froysa, K G; Minken, H; Jakobsen, T
IMPROVING ACOUSTIC CURRENT MEASUREMENTS BY ZPULSE™ TECHNOLOGY

Hussong, D M; Peat, D
APPROPRIATELY DETAILED SURVEYS FOR EFFECTIVE SEAFLOOR SENSOR INSTALLATIONS

Pirenne, B; Guillenot, E; Best, M
AN OCEAN SCIENCE-ORIENTED SOCIAL NETWORK

Soderqvist, L E; Byrne, M J
MONITORING THE STORM TIDE OF HURRICANE WILMA IN SOUTHWESTERN FLORIDA, OCTOBER 2005

Hazell, N J; Lecroart, A
REGIONAL CABLE OBSERVATORY SOLUTIONS

Rhoades, B; Barnard, A H; Derr, A; Koegler, J; Whiteman, D; Barth, J A; Levine, M; Waldorf, W; Sullivan, J;
Donahay, P
AUTONOMOUS MOORED PROFILING SYSTEMS FOR COASTAL OBSERVATIONS

Feseker, T; Brückmann, W; Foucher, J P; Schlüter, M; Boetius, A; Bohrmann, G
LONG-TERM TEMPERATURE OBSERVATIONS PROVIDE USEFUL INSIGHTS INTO THE ACTIVITY OF MUD VOLCANOES

Orrico, C M; Barnard, A H; Johnson, C; Mark Moline, M A; Koegler, J; Struhbar, W; Robbins, I; Morgan, J;
Case, J F
THE UNDERWATER BIOLUMINESCENCE ASSESSMENT TOOL (U-BAT), A NEW COMMERCIAL AVAILABLE
BIOLUMINESCENCE SENSOR FOR COASTAL AND OPEN OCEAN ENVIRONMENTS

Gaardsted, F; Tande, K S; Basedow, S
MONITORING THE OVERWINTERING ZOOPLANKTON HABITATS IN THE NORTHEASTERN NORWEGIAN SEA

Gomes, K J; Edgington, D; Herlien, R; O’Reilly, T; Liu, Y; Butler, R; Freemon, M; Welch, V; Arrott, M; Howe, B
CYBERINFRASTRUCTURE AND MIDDLEWARE APPLIED TO OCEAN OBSERVING SYSTEMS
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<td><strong>08:00</strong> – Banahan, S; Given, H K</td>
<td>THE OCEAN OBSERVATORIES INITIATIVE (OOI) NETWORK: INTEGRATING ADVANCED TECHNOLOGIES.</td>
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<td><strong>08:15</strong> – Dewey, R K; Tunnicliffe, V <em>(Invited)</em></td>
<td>VENUS: TWO YEARS OF EXPERIENCE AND RESULTS FROM A Cabled OBSERVATORY</td>
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<td><strong>08:30</strong> – Phibbs, P G; Lentz, S</td>
<td>DESIGN OF THE NEPTUNE CANADA NETWORK</td>
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<td><strong>08:45</strong> – Barnes, C R; Best, M M; Johnson, F; Phibbs, P; Pirenne, B</td>
<td>LESSONS LEARNED BY NEPTUNE CANADA IN INSTALLING THE WORLD’S FIRST REGIONAL Cabled OCEAN OBSERVATORY, NORTH-EAST PACIFIC</td>
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<td><strong>09:00</strong> – Scholin, C A; Jensen, S; Roman, B; Pargett, D; Preston, C; Greenfield, D; Marin Ill, R; Jones, W; Everlove, C; Doucette, G <em>(Invited)</em></td>
<td>REMOTE DETECTION OF MARINE MICROBES, SMALL INVERTEBRATES AND HARMFUL ALGAE USING MOLECULAR PROBE TECHNOLOGY AND THE ENVIRONMENTAL SAMPLE PREOCESSOR (ESP)</td>
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<td><strong>09:15</strong> – Macintyre, H; Stutes, A; Cox, R</td>
<td>FLUORESCENCE EXCITATION AND EMISSION SIGNATURES AS A MEANS FOR RAPID TAXONOMIC CLASSIFICATION OF MICRAlGAE</td>
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<td><strong>09:30</strong> – Sosik, H M; Olson, R J</td>
<td>SUBMERSIBLE FLOW CYTOMETRY FOR TIME SERIES OBSERVATIONS OF PHYTOPLANKTON COMMUNITY DYNAMICS</td>
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<td><strong>09:45</strong> – McGinnis, T M; Howe, B M; Gobat, J I</td>
<td>ALOHA-MARS MOORING SENSOR NETWORK FOR OCEAN OBSERVATORIES</td>
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<td><strong>10:00</strong> – Luther, D S; Sanford, T B</td>
<td>HPIES – MEASURING WATER COLUMN CURRENTS AND PROPERTIES FROM THE SEA FLOOR</td>
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<td><strong>10:15</strong> – Cullen, J J; Ritchie, H</td>
<td>LIFE CYCLE OF AN OCEAN OBSERVATORY: THE LUNENBURG BAY PROJECT</td>
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<td><strong>11:30</strong> – Kaneda, Y; DONET Group</td>
<td>ADVANCED OCEAN FLOOR NETWORK SYSTEM AROUND THE NANKAI TROUGH IN SOUTHWESTERN JAPAN</td>
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<td><strong>13:45</strong> – Howarth, M J; Proctor, R; Knight, P J; Holt, M; Mills, D K</td>
<td>THE LIVERPOOL BAY COASTAL OBSERVATORY</td>
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<td><strong>14:00</strong> – Delaney, J R; Barletto, P; Kelley, D; Harkins, G; Kelly, M; Harrington, M; Howe, B; Mcguinness, T</td>
<td>THE POWER AND THE BANDWIDTH: Ooi’s REGIONAL (Cabled) SCALE NODES.</td>
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<td><strong>14:15</strong> – Plueddemann, A; Wellar, R; Send, U; Barth, J; Signell, E</td>
<td>THE COASTAL AND GLOBAL SCALE NODES OF THE OCEAN OBSERVATORIES INITIATIVE</td>
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<td><strong>14:30</strong> – Kerfoot, J M; Glenn, S M; Schofield, O M; Roarty, H J; Chant, R; Kohut, J T</td>
<td>THE VIEW FROM THE COOL ROOM: THE RUTGERS UNIVERSITY COASTAL OCEAN OBSERVATORY</td>
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<td><strong>14:45</strong> – Person, R; Puillat, I; Waldmann, C; Favali, P; Bernt, C; Lykosius, V; Dañobeitia, J; Van Weerig, T; Gillooly, M; Miranda, J M</td>
<td>DEMONSTRATION MISSIONS IN ESONET NOE</td>
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<td><strong>15:00</strong> – Frolov, S; Baptista, A M; Wilkin, M</td>
<td>OPTIMAL, MODEL-BASED DESIGN OF A COASTAL-MARGIN OBSERVATORY: LESSONS LEARNED FROM THE COLUMBIA RIVER ESTUARY AND PLUME</td>
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<td><strong>15:15</strong> – Guillemot, E M; Pirenne, B</td>
<td>TAXONOMY OF OCEAN OBSERVATORIES BASED ON THEIR CAPACITY OF PARTICIPATION IN A VIRTUAL OBSERVATORY</td>
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<td><strong>16:00</strong> – Sansone, F J; Pawlak, G R; Stanton, T P; Hebert, A B; Mcmanus, M A; DeCarlo, E H; Merrifield, M A</td>
<td>KILO NALU NEARSHORE REEF OBSERVATORY, OAHU, HAWAII: INTERDISCIPLINARY OBSERVATIONS OF PHYSICAL, GEOCHEMICAL AND BIOLOGICAL INTERACTIONS</td>
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<td><strong>16:15</strong> – Jochens, A E; Nowlin, W D</td>
<td>OPERATING SYSTEMS PLAN FOR THE GULF OF MEXICO COASTAL OCEAN OBSERVING SYSTEM</td>
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<td><strong>16:30</strong> – Belabassi, L; DiMarco, S F; Du Vall, K; Jochens, A E; Howard, M K</td>
<td>OCEAN OBSERVING SYSTEM IN THE GULF OF OMAN</td>
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<td><strong>16:45</strong> – Yarincik, K M; O’Dor, R K</td>
<td>CENSUS OF MARINE LIFE: TECHNOLOGIES FOR BIOLOGICAL RESEARCH THROUGH OCEAN OBSERVATORIES</td>
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<td><strong>17:00</strong> – Widder, E A; Raymond, E H; Sutton, T T</td>
<td>THE IMPORTANCE OF STEALTH: RECENT FINDINGS WITH THE EYE-IN-THE-SEA DEEP-SEA OBSERVATORY</td>
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<td><strong>17:15</strong> – Khelf, D; Frieho, C; Bluth, R; Barge, J; Morse, T; Biery, D</td>
<td>A NEW AIRCRAFT-TOWED PLATFORM FOR AIR-SEA INTERACTION MEASUREMENTS</td>
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