Laurent M. Chérubin
PHYSICAL OCEANOGRAPHER

Florida Atlantic University, Harbor Branch Oceanographic Institute
5600 US 1 North, Fort Pierce, Florida 34946

PERSONAL

Current Academic Rank:	Research Associate Professor
Primary Department:	Ocean Dynamics and Modeling
Office Telephone:	772 242 2314
Office Fax:	772 242 2412
E-mail:	lcherubin@fau.edu

ACADEMIC APPOINTMENTS

September 2013 to present: Research Associate Professor at Harbor Branch Oceanographic Institute, Florida Atlantic University
September 2012 to August 2013: Adjunct Faculty in oceanography, physics and mathematics at Miami-Dade College
January 2011 to present: Associate Scientist at the University of Miami-Rosenstiel School of Marine and Atmospheric Science (RSMAS).
2011: Visiting Scientist at the University of the Virgin Islands – Center for Marine and Environmental Studies.
May 2007-2009: Adjunct faculty at SUNY Oswego.
January 2004 to 2010: Assistant Scientist at RSMAS.
March 2002 - December 2003: post-doctoral associate at the University of Miami- RSMAS. Advisers: Pr. Eric Chassignet (RSMAS) and Pr. Wilton Sturges, Florida State University, Tallahassee.
January 2000- December 2002: post-doctoral associate at the Institute of Oceanography of the University of Lisbon. Adviser: Pr Isabel Ambar.

JOB DESCRIPTION/DUTIES

In charge of the observatory and modeling components of various projects funded by federal grants (NFS, ONR, USGS, NOAA) and NGOs. Deployment of oceanographic equipments at sea. Data processing and analysis. Theoretical research on coastal currents and vortex dynamics. Numerical studies of reef ecosystem oceanography and biophysical processes. Graduate students and post-docs mentoring. Teaching at the undergraduate and graduate level.

COMPETENCES

Physical Oceanography
Current and vortex instabilities, eddy formation and interaction with topography; coastal shelf processes and circulation; water-masses and mixing processes; numerical modeling (MICOM,

ROMS), biophysical coupling, Lagrangian transport in coastal waters and marine population connectivity; sub-mesoscale dynamics and vertical fluxes; remote sensing.

Bio-physical Oceanography

Individual Based-Model, marine population connectivity, larval transport, coral reef community's ecology, spawning aggregation

Experience at sea and field studies

Thirteen oceanographic cruises and one as chief scientist.

Equipment: expandable probes (XBT, XCTD, XCP), CTD, LADCP, surface drifters, RAFOS floats, acoustic source, mooring assembly and deployment.

Small boat field trips; instruments, moorings, ROV deployments; diving and snorkeling trips.

Methodologies

Process studies, experiment at sea, coastal field studies, numerical modeling (quasi-geostrophic, primitive equations, contour dynamics), data processing, data analysis.

Computer experience

Unix, Matlab, Latex, Fortran, Live Access Server.

Languages

French: native tongue

English: fluent

Spanish: read and spoken

Portuguese: read and spoken

ACADEMIC QUALIFICATIONS

2000 - **PhD thesis in Science of Marine Environment** - Descriptive Analysis of the Hydrology and Mixing of the Mediterranean Outflow. Effects of topography on the Instability of the Mediterranean Undercurrents. University of Méditerranée (former Aix-Marseille II), Marseille - France.

1995 - **DEA (Master's degree) in Physical and Coastal Oceanography** (With honors). University of Méditerranée, Marseille – France.

Classes: Carbon cycle; Marine ecological processes; Introduction to Ecological modeling; Remote sensing; Waves theory; Analysis of stochastic processes; Numerical modeling and observational techniques. Coastal oceanography.

1993 - **BS in Fluid Mechanics** (Maitrîse de Mécanique)- University of Bordeaux I – France.

Classes: Optimization techniques; Partial derivative equation analysis; Fluid mechanics; Numerical methods; Deformable solid mechanics; Physics of transfers.

OTHER ACTIVITIES

I. Projects at sea

March-April 2011: Fish movement during spawning aggregation using acoustic imagery in poor light conditions (PI).

February-May 2009: Coral reef and reef fish monitoring at Glover's Reef Atoll, Belize. Supervisor

2003-2005: Coastal landscape, wetland and tidal channel evolution affecting critical habitats of Cape Sable, Everglades National Park, Florida: collaborator, small boat survey, data processing and analysis (PI Prof Harold Wanless).

October 2003: guest on the Windward Passage Experiment.

September 2001: co-PI of the project MEDTOP01/3 (Mediterranean Outflow and Topography, Institute of Oceanography of Lisbon, University of Lisbon). Survey, processing, and analysis.

June - July 2001: PI of the project SEMANE (Mediterranean Outflow in the Atlantic, French Navy).
May 2001: co-PI of the project MEDTOP01/2.
February 2001: co-PI of the project MEDTOP01/1.
November 2000: co-PI of the project SEMANE 2000.
July 1999: co-PI of the project SEMANE 99.
June - July 1997: co-PI of the project SEMANE 97.
September - October 1995: co-PI of the project SEMANE 95.

II.Teaching and student mentoring experience and other synergistic activities

Co- Organizer: 2009 Ecosystem modeling Workshop, St. Petersburg, Florida, 14-16 October.

Lecturer and teacher

- PHYS 1004 and 2053, Miami Dade College.
- MAT 1033, Miami Dade College.
- MPO 583. Ocean Monitoring Systems and Implementation Strategies, RSMAS.
- BIO 301 - Tropical marine Ecology Course at SUNY Oswego, NY, USA. Live aboard trip in the British Virgin Island (2007-2009)
- Coastal Dynamics Modeling, CNRS Thematic School, France. Practical training of the ROMS model (September 2006)
- Master's in Geophysical Science of the University of Lisbon, *Quasi-geostrophic dynamics* (2000-2001).

Committee member

Master's students: Sophia Mckenzie and LeAnn Colon, University of the Virgin Islands (present). Ph.D. student Mandy Karnauskas, Univ. of Miami, USA (2006-2011); Ph.D. student Jean-Olivier Irisson, Univ. of Perpignan, France (2006-2008); Benjamin Jaimes, MS thesis (2003-2005), Univ. of Miami, USA.

Post-doctoral adviser

Joann Gyory, University of the Virgin Islands (present). Silvia Gremes-Cordero, Univ. of Miami USA (2010). Jean-Olivier Irisson, Univ. of Miami USA (2008-2009).

Manuscript reviewer

Applied Mathematical Modelling, Continental Shelf Research, Coral Reefs, Deep-Sea research, Geophysical and Research Letters, Geophysical & Astrophysical Fluid Dynamics, Journal of Atmospheric and Oceanic Technology, Journal of Geophysical Research, Journal of Marine Systems, Ocean Modelling.

Proposal reviewer

NSF OCE, BIO OCE

Model development

- CAribbean Regional Association (CARa) regional ocean forecasting system, PI. (http://www.caricoos.org/drupal/)
- Connectivity Modeling System (CMS) intended to be a community population connectivity model that will serve to support marine population studies - collaborator (http://www.rsmas.miami.edu/personal/cparis/cms/description.html)

III. Summer School - Seminars

Summer School

- Toulon France, 2006: Coastal Dynamics Modeling, CNRS Thematic School.
- Cambridge UK, 1996: Sixth National Geophysical Environmental Fluid Dynamics Summer School (GEFD), University of Cambridge.

Seminars

- Chérubin, L. M. (2010), Uncovering the role of sub-mesoscale dynamics in coastal ecosystems. Florida Gulf Coast University; LPO IFREMER, Brest France;.
- Chérubin, L. M. (2006) How to account for the spatial and temporal variability of Lagrangian parameters RSMAS/MPO, University of Miami USA.
- Chérubin, Y. Morel, E. Chassignet, and W. Sturges (2005) Loop Current Ring Shedding: the Formation of Cyclones and the Effect of topography. LPO IFREMER, Brest France.
- Chérubin, I. Baums, C. Paris, and P. Richardson (2005) On the variability of the Caribbean Current: A dynamical filter to larval dispersal in a reef-building coral. LPO IFREMER, Brest France.
- Chérubin, Y. Morel, E. Chassignet, and W. Sturges (2004) Loop Current Ring Shedding: the Formation of Cyclones and the Effect of topography. RSMAS/MPO, University of Miami USA.

IV. Workshops and Invited Talks

- **Chérubin,** L.M., Regional Ocean Models for the U.S. Caribbean Islands and Florida Bay, AOML-SEFSC workshop, "Continued AOML-SEFSC collaborative success: now and in the future", 29 May 2014, Miami.
- **Chérubin,** L.M. 2015. Analytical study of the Florida Current Instabilities. College of Science. Department of mathematics. FAU, Boca Raton, Florida, USA.
- **Chérubin,** L.M. 2015. Frontal, wake eddy, topography control and ecological constraints of fish spawning habitats. SYNBIOS Workshop. Paris 6-8 July 2015, France.
- **Chérubin**, L.M., M. Criales, J.A. Browder, and C.B. Paris (2011) Hydrodynamic model of the southwest Florida shelf, Florida Keys, and Florida Bay and its application to pink shrimp larval transport. Everglades National Park, October 2011.
- Paris, C.B., L.M. **Chérubin**, J. Tschirky (2010) Modeling larval dispersal at spawning aggregation sites. Belize Science to Action Symposium, Belize City (Belize), 5 February 2010.
- **Chérubin**, L.M., C.B. Paris, I.B. Baums, and N. Idirisi (2008) Impact of Eastern Caribbean circulation seasonality on two reef organisms. AGU Joint Assembly, Ft Lauderdale (USA) 27-30 May.
- Paris C.B., L.M. **Chérubin**, RK Cowen (2007) Bio-Physical Modeling: Connectivity and resilience sustaining coral reefs in the next century, ARC-CWG Workshop, Townsville (Australia) 13-16 October.
- Paris C.B., L.M. **Chérubin** (2007) Bahamas Biocomplexity Project: modeling larval dispersal, BBP General Meeting, UC Davis, California (USA) 24-27 January.
- Paris C.B., L.M. **Chérubin**, A. Srinivasan, R.K. Cowen (2006) Surfing, spinning, or diving from reef to reef: how does it affect population connectivity? 59th Annual Gulf and Caribbean Fisheries Institute, Belize City (Belize) 6-11 November, Caribbean Connectivity Session, Abstract p. 126.
- Paris C.B., L.M. **Chérubin**, A. Srinivasan, R.K. Cowen, J. Kool (2006) Modeling: from individual dispersal to population network, Coral Reef Target Research Workshop Connectivity of Mesoamerican Reefs, Miami (USA) 17-21 September.
- Paris, C.B., A. Srinivasan, L.M. **Chérubin**, R.K. Cowen, J.O. Idrisson, and S planes (2006) Influence of biophysical processes on coral reef fish population connectivity inferred by

modeling. ICES Workshop on advancements in modelling physical-biological interactions in fish early-life history, Nantes (France) 3-5 April.

- Paris, CB, A. Srinivasan, R.K. Cowen, L.M. **Chérubin** (2005) Modeling dispersal in the marine environment: Example of spawning aggregation as point source. Ocean and Human Health (OHH) First Annual Meeting, RSMAS Miami (USA) 31 January.
- Workshop on the Mediterranean Water in the Atlantic 2003, Brest (France).

V. Talks

- Lasker, H. R., C.B. Paris, A. Kough, I. Porto, L.M. **Chérubin**. Picking the perfect birthday: reproductive biology and connectivity in octocorals. ICRS Australia, 7-14 June 2012.
- Gyory, J. T. Smith and L.M. **Chérubin** (2012). Physical processes in a mesophotic coral refuge across bleaching events. ICRS Australia, 7-14 June 2012.
- Callwood, K., C.B. Paris, L.M. **Chérubin** (2010), Policy implications of the dispersal scales and settlement locations of larval *Panulirus argus* in the Bahamas. GCFI, San Juan (Puerto-Rico), 1-5 November (Abstract).
- Holstein, D., C.B. Paris, T. Smith, L.M. **Chérubin**, A. Srinivasan (2010) Scaling *Montastrea faveolata* reproductive and larval behavior to model vertical connectivity in mesophotic coral ecosystem. Ocean Sciences, Portland (USA) 22-26 February (Abstract).
- Irisson, J.-O., L.M. **Chérubin**, M. de Lara, S. Planes (2009) Consequences of increased mobility and quicker development in warmer waters on the dispersal trajectories of fish larvae. Symposium GLOBEC (France) 12-13 January (Poster).
- Irisson, J.-O., C.B. Paris, L.M. **Chérubin**, M. de Lara, S. Planes (2008) The importance of Behavior on self-recruitment: a modeling approach. 11th International Coral Reef symposium, Fort Lauderdale, (USA), 7-11 July (Abstract).
- **Chérubin** L.M., I. Baums, C.B. Paris, P. Richardson (2006) On the variability of the Caribbean Current: A bio-oceanographic filter to larval dispersal in a reef-building coral. Ocean Sciences meeting, 20-24 February, Honolulu Hawaii 2006 (Abstract).
- **Chérubin** L.M., I. Baums, C.B. Paris (2005) A dynamic filter to larval dispersal in a reef-building coral. 3rd Lagrangian Analysis and Prediction of Coastal and Ocean Dynamics (LAPCOD) Meeting, Lerici 13-17 June 2005, Italy (Abstract).
- **Chérubin** L.M., Y. Morel, and E.P. Chassignet (2005) Loop Current Ring Shedding: the Formation of Cyclones and the Effect of topography. 12th Layered Ocean Model (LOM) meeting, Miami January 2005 (Abstract).
- **Chérubin** L.M., B. Jaimes, V. Garnier, and E.P. Chassignet (2005) Mean circulation and energy pathways in the Gulf of Mexico. 12th LOM meeting, Miami 2005 (Abstract).
- **Chérubin** L.M., Y. Morel, and E.P. Chassignet (2005) Loop Current Ring Shedding: the Formation of Cyclones and the Effect of topography. AGU, New Orleans, Mai 2005 (Abstract and Poster).
- Claire B. Paris, Daniel R. Brumbaugh, Laurent **Chérubin**, Robert K. Cowen, Craig P. Dahlgren, Rob DeSalle, Heather M. Galindo, Alastair R. Harborne, Katherine E. Holmes, Carrie V. Kappel, Fiorenza Micheli, Peter J. Mumby, Eugenia Naro-Maciel, Tom Oliver, and Stephen R. Palumbi (2007) Modeling larval connectivity across realistic ecological seascapes, AFS 137th Annual Meeting, San Francisco, 2-6 September, 2007, p. 75 (Abstract).
- Idrisi, N., L.M. **Chérubin**, K. Brown, and R. Watlington (2007). Coastal Oceanographic Processes around the Virgin Islands. 33rd Conference of theAssociation of Marine Laboratories of the Caribbean. 4-8 June, St.Thomas USVI (Abstract).

- Jaimes, B., E.P. Chassignet, L.M. **Chérubin** (2006) Influence of the Loop Current Rings on the western boundary current in the Gulf of Mexico. Ocean Sciences meeting, 20-24 February, Honolulu Hawaii 2006 (Abstract).
- Baums, I.B., C.B. Paris, and L.M. **Chérubin** (2006) Bio-Oceanographic filter to Larval dispersal in a reef-building coral. 59th Gulf and Caribbean Fisheries Institute (CGFI) - Belize City, Belize 6-11 November 2006 (Abstract).
- Paris CB., R.K. Cowen, A. Srinivasan, L.M. **Chérubin** (2006) A Lagrangian modeling study of Dispersal Kernels from spawning aggregations of grouper (Epinephaelinae) and snapper (Lutjanidae) populations in the Caribbean. Ocean Sciences meeting, 20-24 February, Honolulu Hawaii 2006 (Abstract).
- Paris C.B., R.K. Cowen , A. Srinivasan, L.M. **Chérubin** (2005) Larval pathways from spawning aggregations of grouper (Epinephaelinae) and snapper (Lutjanidae) populations in the Caribbean: A metapopulation approach for the conservation of marine species. 29th Annual Larval Fish Conference, 11-14 July, Barcelona, Spain (Abstract).
- Paris C.B., R.K. Cowen, A. Srinivasan, L.M. **Chérubin** (2005) Larval pathways from spawning aggregations of grouper (Serranidae) and snapper (Lutjanidae) populations in the Caribbean: A metapopulation approach for the conservation of marine species. The Oceanography Society 2005 International Research Conference, 1-10 June, Paris, France (Abstract - Poster Session).
- Paris C.B., R.K. Cowen , A. Srinivasan, L.M. **Chérubin** (2005) Larval pathways from spawning aggregations of grouper (Epinephaelinae) and snapper (Lutjanidae) populations in the Caribbean: A metapopulation approach for the conservation of marine species. 29th Annual Larval Fish Conference, 11-14 July, Barcelona, Spain (Abstract).
- Paris C.B., R.K. Cowen, A. Srinivasan, L.M. **Chérubin** (2005) Larval pathways from spawning aggregations of grouper (Serranidae) and snapper (Lutjanidae) populations in the Caribbean: A metapopulation approach for the conservation of marine species. The Oceanography Society 2005 International Research Conference, 1-10 June, Paris, France (Abstract - Poster Session).
- Paris C.B., R.K. Cowen, A. Srinivasan, L.M. **Chérubin** (2005) Connectivity among snapper (Lutjanidae) and grouper (Serranidae) populations in the Caribbean: A metapopulation approach for the design of marine reserve networks. ASLO 2005 Aquatic Sciences Meeting, 21-25 February, Salt Lake City, Utah (Abstract).
- Paris C.B., R.K. Cowen, A. Srinivasan, L.M. **Chérubin** (2004) Connectivity among snapper (Lutjanidae) and grouper (Serranidae) populations in the Caribbean: A metapopulation approach for the design of marine reserve networks. 57th Annual Gulf and Caribbean Fishery Institute Meetings, St Petersburg, Fl, 8-12 November (Abstract), p. 83
- Vlaswinkel, B., H. Wanless, L.M. **Chérubin** (2003) Changing seascape environments at Cape Sable, a coastal wetland complex in South Florida, USA. Abstract at EGS - AGU - EUG Joint Assembly, Nice, France, April 2003.
- European Geophysical Society (EGS) (Abstract), Nice (France), 1998.
- IAPSO-IAMAS (Abstract), Melbourne (Australia), 1997.
- EGS (Abstract), Vienna (Austria), 1997.
- EGS (Abstract), Den Haag (Holland), 1996.

VI. Miscellanous

- International Kite-surfing Organization Instructor, Level II, #3905
- CMAS certified scuba diver, **

- Rugby player (#4, #11) in college and club (Brest Université Club, France, 1995-2000)
- First Aid certification Expired (09)

BIBLIOGRAPHY

Peers reviewed articles

Criales, M. M., **L. M. Cherubin**, J. A. Browder. Modeling larval transport and settlement of the pink shrimp in south Florida: dynamics of behavior and tides. Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem, in Press.

L'Hegaret, P., X. Carton, I. Ambar, C. Menesguen, L. Hua, **L.M. Chérubin**, B. Le Cann, Y. Morel, N. Daniault, N. Serra, and A. Serpette, 2014. Evidence of Mediterranean Water dipole collision in the Gulf of Cadiz. *J. Geophys. Res,* **119**(8), 5337-5359. DOI: 10.1002/2014JC009972

Chérubin, L.M., 2014 High-resolution simulation of the circulation in the Bahamas and Turks and Caicos Archipelagos. *Progress in Oceanography,* **127**, 21-46. http://dx.doi.org/10.1016/j.pocean.2014.05.006

Karnauskas, M., L.M. **Chérubin**, B.E. Hutington, and E.A. Babcock (2012). Physical forces influence the trophic structure of reef fish communities on a remote atoll. *Limnology and Oceanography,* **57**(5), 1403-1414.

Duarte, R., X. Carton, X. Capet, L.M. **Chérubin**, 2011. Trapped instability and vortex formation by an unstable coastal current. *Regular and Chaotic Dynamics,* **16***(6)*, 577-601.

Chérubin, L.M., R.S. Nemeth, N. Idrisi, 2011. Flow and transport characteristics from an *Epinephelus Guttatus* (red hind grouper) spawning aggregation site in St. Thomas (US Virgin Islands). *Ecological Modelling,* **222,** 3132–3148

Karnauskas, M., L.M. **Chérubin**, C.B. Paris (2011). Adaptive Significance of the Formation of Multi-Species Fish Spawning Aggregations near Submerged Capes. *PLoS ONE* 6(7):e22067.doi10.1371/journal.pone.0022067

Melbourne-Thomas, J. C.R. Johnson, T. Fung, R.M. Seymour, L.M. **Chérubin**, J.E. Ariás-Gonzalez, E.A. Fulton (2011). Regional-scale scenario modeling for coral reefs: a decision support tool to inform management of a complex system. *Ecological Applications. doi:10.1890/09-1564.1*

Mumby, P.J., I.A. Elliott, C.M Eakin, W. Skirving, C.B. Paris, H.J. Edwards, S. Enríquez, R. Iglesias-Prieto, L.M. **Chérubin** , J.R. Stevens, 2011. Reserve design for uncertain responses of coral reefs to climate change. *Ecology Letters*, **14**, 132-140. Doi:10.1111/j.1461-0248.2010.01562.x

Carton, X., N. Daniault, J. Alves, L.M. **Chérubin**, and I. Ambar, 2010. Meddy dynamics and interaction with neighboring eddies southwest of Portugal: Observations and modeling. *J. Geophys. Res*., 115, C06017, doi:10.1029/2009JC005646.

Chérubin, L.M., C. Kuchinke, and C.B. Paris, 2008. Ocean circulation and terrestrial runoff dynamics in the Mesoamerican region from spectral optimization of SeaWiFS data and a high resolution simulation. *Coral Reefs*, **27**, 503-519. DOI: 10.1007/s00338-007-0348-1

Paris, CB, and **Chérubin** LM, 2008. River-reef connectivity in the Meso-American region. Coral Reefs, **27**, 773-781.

Chérubin L.M., D.G. Dritschel and X. Carton, 2007. Baroclinic instability of boundary currents over a bottom slope in a quasigeostrophic model. *J. Phys. Oceanogr*., (6)**37**, 1661-1677.

Chérubin L.M. and P. Richardson, 2007. Caribbean current variability and the influence of the Amazon and Orinoco fresh water plumes. *Deep-Sea Res. I*, **54**, 1451-1473.

Paris, C.B., L.M. **Chérubin**, and R.K. Cowen, 2007. Surfing, spinning, or diving from reef to reef: how does it change population connectivity? *Mar. Ecol. Prog. Ser*., **347**, 285-300. *Coral Reefs*, **27**, 773-781.

Chérubin, L. M., Y. Morel, and E. P. Chassignet, 2006. Loop Current Ring shedding: formation of cyclones and interaction with topography. *J. Phys. Oceanogr*., **36**, 569-591.

Baums, I.B., C.B. Paris, and L.M**. Chérubin,** 2006. A Bio-Oceanographic Filter to Larval Dispersal in a Reef Building Coral. *Limnol. Oceanogr*., **51**(5), 1969-1981.

Chérubin, L.M., E. Chassignet, and W. Sturges, 2005. Deep flow variability in the vicinity of the Yucatan Straits from a high resolution MICOM simulation. *J. Geophys Res*., **110**, C04009, doi:10.1029/2004JC0002280.

Chérubin, L.M., N. Serra and I. Ambar, 2003. Low Frequency Variability of the Mediterranean Undercurrents downstream of Portimão canyon. *J. Geophys. Res.*, **108**, C3, 3058, doi:10.1029-2001JC001229.

Capet, X., L. **Chérubin**, Y. Morel, 2002. Influence of the transport on the instability of a boundary current. *J. Phys. Oceanogr*., **32**, 2806-2815.

Carton, X., L. **Chérubin**, J. Paillet, Y. Morel, A. Serpette and B. Le Cann, 2002. Meddy coupling with a deep cyclone in the Gulf of Cadiz. *J. Marine Systems*, **32**, 13-42.

Chérubin L., Carton X., Paillet J., Morel Y. & A. Serpette, 2000. Instability of the Mediterranean Water undercurrents southwest of Portugal: effects of baroclinicity and topography. *Oceanol. Acta*, **23**, pp. 551-573.

Chérubin L., A.Serpette, X.Carton, J. Paillet, O. Connan, P. Morin, R. Rousselet, B. Le Cann, P. Le Corre, T. Labasque, D. Corman, N. Poète, 1997. Descriptive analysis of the hydrology and currents on the Iberian shelf from Gibraltar to Cape Finisterre: preliminary results from the Semane and Interafos experiments. *Annales Hydrographiques*, Vol. 21, No. 768, pp. 5-70.

Chérubin L., 1997. Mixing processes in the Mediterranean outflow along the Iberian shelf. *Annales Hydrographiques*, Vol. 21, No. 768, pp. 83-99.

Chérubin L., X.Carton and D.G.Dritschel, 1996. Vortex expulsion by a zonal coastal jet on a transverse canyon. Proceeding of the 2nd International Workshop on Vortex Flows, ESAIM Series, SMAI, Paris, pp. 101-121.

Papers of Note: Mechanisms for Loop Current ring shedding, Chérubin, Morel and Chassignet, BAMS, p. 877, July 2006.

Submitted articles

Chérubin, L.M., S. Majumdar, Y. Chao, Z. Li and J. Farrara. Characteristics of prediction errors in ROMS during the AOSN-II field campaign in Monterey Bay. Submitted to *J. Geophys. Res.*

Chérubin, L.M., and L. Garavelli. Eastern Caribbean circulation and island mass effect on St. Croix, United States Virgin Islands: a mechanism for relatively consistent recruitment patterns Submitted to *Progress in Oceanography.*

J. Gyory, **L.M. Cherubin**, T.B. Smith, N. Idrisi, and V. Wright. Internal wave forcing on the Virgin Island Shelf. Submitted to *J. Geophys. Res.*