

Understanding Gulf Ocean Systems 2021 Annual Meeting

Wednesday, February 10, 2021 12:00 PM – ~5:20 pm EST Virtual Meeting		
Meeting Goals <ul style="list-style-type: none"> Bring together the Project Directors, the UGOS Standing Committee, the GRP, and collaborators to learn about the status of UGOS funded projects. Develop an integrated view of the successes in advancing the prediction of the Loop Current, Loop Current Eddies, and other ocean circulation features to mitigate risks in offshore energy operations in the northern Gulf of Mexico. 		
12:00 PM	Opening & GRP Updates	<i>Mel Briscoe</i> <i>Donald Boesch</i>
12:30 PM	Presentations and Moderated Panel Discussion: Operational Forecasts, their Applications, and International Collaboration	Moderators: <i>Mel Briscoe & Elva Escobar-Briones</i> Panelists: <ul style="list-style-type: none"> <i>Patrick Hogan</i> <i>Gregg Jacobs</i> <i>Steven Pawson</i> <i>James Stear</i> <i>Susana Lizano</i> <i>William Lee</i>
1:50 PM	Break	
2:10 PM	Moderated Panel Discussion: Ongoing Observations and Future Plans <ul style="list-style-type: none"> Passive Gulf of Mexico Loop Current Observations from High Frequency Radar Across the Yucatan Strait Dry Tortugas and Lower Keys High Frequency Radars Gulf of Mexico Loop Current and Eddy Observations from HF Radar Systems: Offshore Platforms A Unified Approach to HF Radar Quality Control for UGOS LC Floats: Near-real-time Hydrography and Deep Velocity in the LCS using Autonomous Profilers The West Florida Shelf Pressure Point Control on Shelf Ecology and LC Penetration into the Gulf of Mexico Shell Stones Ocean Observing System: A Public-Private Academic Partnership Pressure and Current Meters Technology and Methods for Yucatán Channel Monitoring 	Moderator: <i>Steve Anderson</i> <ul style="list-style-type: none"> <i>Anthony Knap</i> <i>Clifford Merz</i> <i>Stephan Howden</i> <i>Scott Glenn</i> <i>Heather Furey, Amy Bower</i> <i>Robert Weisberg</i> <i>James Ranson</i> <i>Kathleen Donohue</i> <i>Uwe Send</i>

3:00 PM	Moderated Panel Discussion: Data Compilation and Management <ul style="list-style-type: none"> • GulfHub • GRIIDC 	<i>Moderator: Eileen Hofmann</i> <ul style="list-style-type: none"> • Barbara Kirkpatrick • James Gibeaut, Rosalie Rossi
3:20 PM	Break	
3:40 PM	Moderated Panel Discussion: Loop Current Forecasting and Modeling <ul style="list-style-type: none"> • An Altimetry Based Statistical Forecast Model for the LC System • Numerical Modeling • LC SSH and Subsurface Current Prediction with a Transfer Learning Approach 	<i>Moderator: Francis Wiese</i> <ul style="list-style-type: none"> • George Forristall • Ruoying He • Laurent Cherubin
4:20 PM	Moderated Panel Discussion: Loop Current and Loop Current Eddy Shedding and Their Impacts on GoM Dynamics <ul style="list-style-type: none"> • The Loop Current and the Mississippi-Atchafalaya River System: Interactions, Variability and Modeling Requirements • Development of an Unstructured-Grid Nesting Method for the Study of Loop Current Frontal Eddies • Lagrangian Analysis of Loop Current System Dynamics • Lagrangian Methodology to Quantify and Predict the Impact of Caribbean Eddies on Loop Current System Dynamics 	<i>Moderator: David Halpern</i> <ul style="list-style-type: none"> • Annalisa Bracco • Haosheng Huang • Helga Huntley • Vassiliki Kourafalou
5:00 PM	Closing Remarks	<i>Mel Briscoe</i> <i>Donald Boesch</i>
5:20 PM	Adjourn	