

DAY ONE

National Aquarium 4-D Immersion Theater

1 PM **Forum Welcome**
Forum Chair: John C. Racanelli | *National Aquarium*

1:15 PM **Introduction**
Craig McLean | NOAA Office of Oceanic and Atmospheric Research

1:30 PM **Keynote: Toward a National Ocean Exploration Program**
Jerry R. Schubel | Aquarium of the Pacific

2 PM **Exploration Forums: Progress**
Vice Admiral Paul G. Gaffney II USN (ret) President Emeritus Monmouth University and Chair | Ocean Exploration Advisory Board

2:15 PM **Break**

2:50 PM **Federal Ocean Exploration Panel**
“If you could visit only once, what information MUST you have?”
Moderator: Jerry Miller | *National Research Council*
Panelists: Scott Borg | *National Science Foundation*
 William Yancey Brown | *Bureau of Ocean Energy Management*
 Rear Admiral Timothy C. Gallaudet, USN Oceanographer and Navigator of the Navy and Commander | *Naval Meteorology and Oceanography Command*
 John Haines | *U.S. Geological Survey*
 Rear Admiral David Score | *NOAA Commissioned Officer Corps, NOAA Office of Marine and Aviation Operations*
 Mary Voytek | *NASA*

4 PM **Community Ocean Exploration Panel**
“Why do you do what you do? What must you achieve?”
Moderator: Michael Conathan | *Center for American Progress*
Panelists: Robert Ballard | *Ocean Exploration Trust*
 Mary “Missy” Feeley | *ExxonMobil Exploration Company*
 Eric King | *Schmidt Ocean Institute*
 Dave Lovalvo | *Global Foundation for Ocean Exploration*
 Shirley Pomponi | *NOAA Cooperative Institute for Ocean Exploration, Research and Technology*
 Philip Renaud | *Khaled bin Sultan Living Oceans Foundation*

5:10 PM **Synthesis Panel Remarks**
Moderator: John C. Racanelli | *National Aquarium*
Panelists: Michael Conathan | *Center for American Progress*
 Craig McLean | *NOAA Office of Oceanic and Atmospheric Research*
 Jerry Miller | *National Research Council*
 Jerry R. Schubel | *Aquarium of the Pacific*

5:45 PM **Group Photo**

6:30 PM **Reception and Dinner**
Keynote Speaker: Ellen Stofan | *NASA*

DAY TWO

Pier 5 Hotel

9 AM **Welcome and Remarks**
Forum Chair: John C. Racanelli | *National Aquarium*

9:15 AM **Future Forward: A Marketplace of Ideas**
The Marketplace of Ideas highlights new and developing technologies and approaches that could change ocean exploration over the next five years. Speakers will give short presentations; the audience will have an opportunity to ask questions at the end of the session.
Moderator: David Lang | *OpenROV*

Kickstarter for Science
Aurora Thornhill | *Kickstarter*

Ocean Exploration Data and the Next Generation
Timothy Kearns | *Ocean Aero*

Citizen Science Movement
Caren Cooper |
North Carolina Museum of Natural Sciences

Exploring Earth and Space
Darlene Lim | *NASA*

Connected Exploration
Eric Stackpole | *OpenROV*

eDNA Analysis in Exploration
Jimmy O'Donnell | *University of Washington*

Visualization Tools
Jonathon Knowles | *Autodesk*

Undersea Exploration on Europa
Kevin Hand | *NASA*

In Situ 3-D Visualization
Dominique Rissolo | *Waite Foundation*

Social Media and the Sea
Andrew David Thaler | *Southern Fried Science*

12 PM **Lunch**

1 PM **Group Breakout Sessions**
Speaker: Alan P. Leonardi | *NOAA Office of Ocean Exploration and Research*
Participants will break into working groups, organized by ocean features, to design a conceptual expedition for the year 2020 starting with drivers and questions, and including tools and techniques expected to be available in the next five years. Having heard about requirements from government and non-government explorers and about new ideas and developments, consider the question of how we can mobilize partners, assets, technologies and methods to maximize the value of future expeditions toward establishing baseline characterizations of the greatest possible value.

Expedition concepts will be organized using themes developed in Ocean Exploration 2020:

- Exploration priorities
- Citizen science
- Key partnerships
- Data and data visualization
- Platforms
- Public engagement
- New technologies and methodologies

5:10 PM **Synthesis Panel Remarks**
Moderator: John C. Racanelli | *National Aquarium*
Panelists: Craig McLean | *NOAA Office of Oceanic and Atmospheric Research*
Jerry Miller | *National Research Council*
Jerry R. Schubel | *Aquarium of the Pacific*

6:15 PM **Closing Remarks**
Forum Chair: John C. Racanelli | *National Aquarium*