

FALKOR e e

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Introduction

Errol Campbell – ROV Manager

Schmidt Ocean Institute

- Not for Profit Organization
- Goal to advance global marine research
- > Provide state of the art operational, technological and information support
- Pioneering Ocean science and technology projects
- Share what we discover

<u>RV Falkor & ROV Subastian</u>

- 4500m depth rating
- Development started in 2015
- Integrated onto R/V Falkor in summer of 2016
- Successfully completed 309 Dives to date





UNOLS DeSSC Annual Meeting Dec, 2019

Foundation

In 2009:

- Eric and Wendy Schmidt foundedSchmidt Ocean Institute (SOI)
- Purchased a former German Coast Guard
 vessel that would become the scientific R/V Falkor

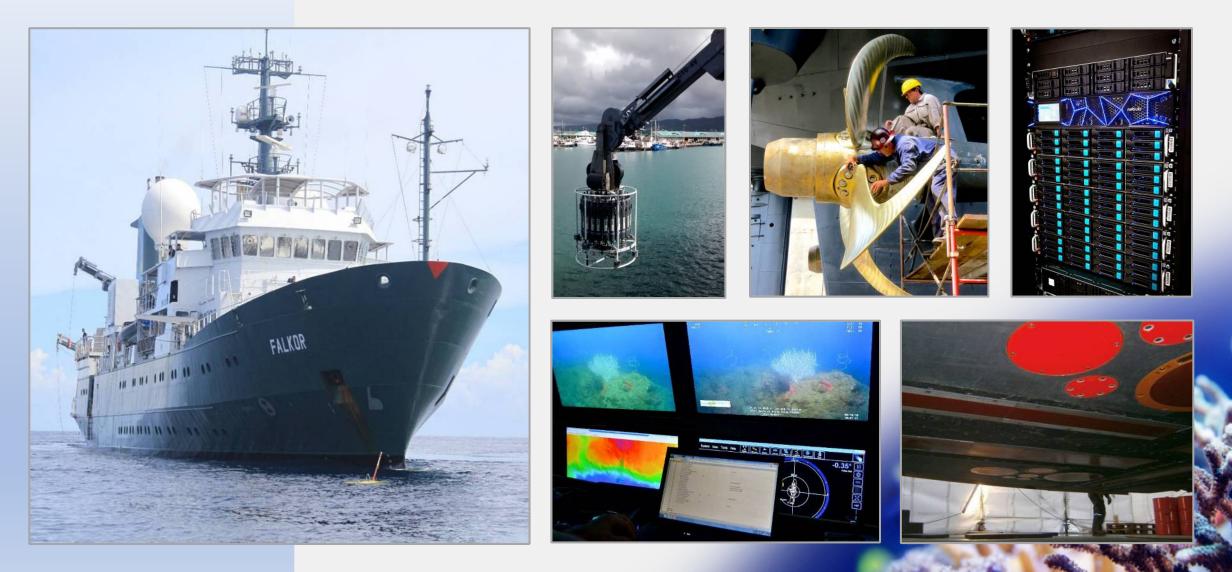








Excellence in Maritime Research Operations



Operational Services Available from SOI

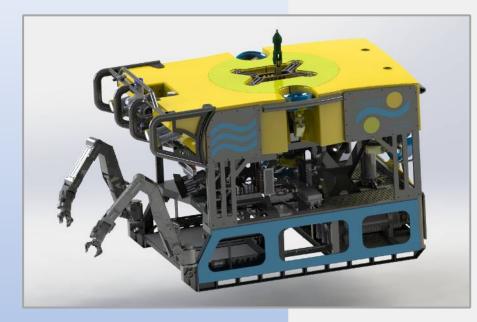


- Operation of research vessel Falkor
 with its embedded facilities, laboratories,
 instrumentation, and ROV SuBastian,
- Rental and operation of autonomous surface, aerial, and underwater vehicles and other robotic platforms,
- Oceanographic data management, including its hosting, sharing, maintenance, processing, analysis & visualization.





Oceanographic Technology R&D







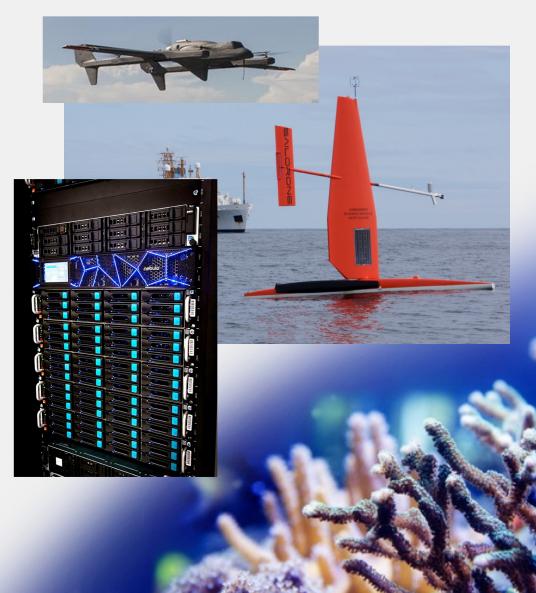




SCHMIDT OCEAN INSTITUTE

Technological Support Available from SOI

- Research and development of innovative marine sensors, scalable autonomous survey platforms, and related software,
- Professional engineering and project
 management for internal and externally
 contracted technology R&D initiatives,
- Access to advanced computational resources, including high performance computing arrays, cloud services, etc.



SOI Program Focus Areas



- Commitment to Excellence in Oceanographic Research Operations
- Infrastructure, Platform, and Technology Development for Marine Sciences
- Collaborative Scientific Research aboard Falkor
- Communication, Education, and Outreach Program
- Open Sharing of Information, Data, and Research Outcomes





COLLABORATORS

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APPLY FOR SUPPORT

Call for Expressions of Interest in Collaboration with Schmidt Ocean Institute Coming Soon

Our Call for Expressions of Interest are expected to open in early 2020

Our cruise plan and science activity is currently scheduled for 2021 and early 2022. Follow us on <u>social media</u> and/or consider joining our <u>mailing list</u> to receive updates! www.schmidtocean.org



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Thank You

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Stay Safe!

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