

EXPERT'S PROFILE

Name of Grantee : **RODRIGO S. JAMISOLA, JR. PhD**
Area of Expertise : Autonomous Underwater Vehicle, Robotics
Inclusive Date of Contract as BSP Awardee : Short-Term Program
09 Oct – 02 Nov 2018
25 – 30 March 2019
Host Institution : Rizal Technological University (RTU)
Batangas State University (BatSU)
Bulacan State University (BulSU)



EDUCATIONAL BACKGROUND

- **PhD**, 2009, De La Salle University, Philippines
- **MS**, 2006, Colorado State University, USA
- **MS of Engineering (Research-Based)**, 2001, National University of Singapore, Singapore
- **BS Mechanical Engineering**, 1993, University of the Philippines- Diliman, Philippines

PROFESSIONAL EXPERIENCE

- 2015 – Present **Botswana International University of Science and Technology, Botswana**
Senior Lecturer
- 2013 – 2014 **Italian Institute of Technology, Italy**
Senior Postdoctoral Research Fellow
- 2011 - 2013 **Daegu-Gyeongbuk Institute of Science and Technology, South Korea**
Postdoctoral Research Fellow
- 2011 **Toyota Motor Philippines, Sta. Rosa Laguna, Philippines**
R&D Manager
- 2008 -2011 **De La Salle University, Manila, Philippines**
Assistant Professor
- 2006 - 2008 **L-3 Communications, Dynamic Positioning and Control Systems, USA**
Guidance, Control, and Navigation Engineer
- 2001 - 2006 **Colorado State University, USA**
Research Assistant
- 1999 - 2001 **National University of Singapore/
Singapore Institute of Manufacturing Technology**
Research Engineer

TO BE ACCOMPLISHED AS A BSP AWARDEE

1. Provide technical expertise on proposal titled **“Development of Four Autonomous Underwater Vehicles Holistically Controlled as a Single Robot to Explore the Philippine Rise”*;

Batangas State University (BatSU)

2. Provide technical assistance in setting up of a marine biodiversity center known as *“Verde Island Passage Center for Oceanographic Research and Aquatic Life Sciences (VIP CORALS)”* and LIKHA Fabrication Laboratory
3. Provide technical assistance in the improvement of the following curriculum:
BS Mechatronics Engineering
BS Instrumentation and Control Engineering
4. Deliver the following seminar and workshop:
“Modular Jacobian for Dual-arm Robots”
“Trends in Machine Learning and Artificial Intelligence”
“How to look for Project Funds”
“How to Publish Without Money”

Rizal Technological University (RTU)

5. Deliver the following seminar and workshop:
“Installing and Using Ubuntu and Gazebo”
“Robot Control and the Operational Space Formulation”
“Robot Exoskeleton for Enhanced Human Mobility”
“How to Write a Project Proposal”

Bulacan State University (BulSU)

6. Provide technical assistance in the improvement of the following curriculum:
BS Mechatronics Engineering
BS Computer Engineering
7. Deliver the following seminar and workshop:
“Kinematic Failure-Tolerance for Redundant Robots”
“How to Write a Technical Paper”