

## EXPERT'S PROFILE

**Name of Grantee** : Dr. Ginno L. Andres  
**Area of Expertise** : Tribology Mechanical Eng'g & Environmental Eng'g  
**Inclusive Date of Contract as BSP Awardee** : Short-Term  
: 17 April – 15 July 2017 (90 days)  
**Host Institution** : Isabela State University  
Nueva Vizcaya State University  
**E-mail Address** : [ginnoandres@gmail.com](mailto:ginnoandres@gmail.com)



### EDUCATIONAL BACKGROUND

- **Doctor of Engineering**, 2015, Ritsumeikan University, Shiga, Japan
- **Master of Engineering**, 2011, Ritsumeikan University, Shiga, Japan
- **BS Mechanical Engineering**, 2008, Polytechnic University of the Philippines

### WORK EXPERIENCES

- 2015 – present      **Combustion Laboratory, Ritsumeikan University, Shiga, Japan**  
Research Associate
- 2015 - present      **Tahibana Electric Corporation, Shiga, Japan**  
Production Staff
- 2011 - 2015      **Combustion Laboratory, Ritsumeikan University, Shiga, Japan**  
Research Assistant
- 2013 - 2014      **Tanah Process Ltd., Osaka, Japan**  
Research & Business Apprentice
- 2012 - 2014      **Japan Ministry of Environment Grant**  
Multi-company collaboration Research Assistant
- 2006      **MD Juan Enterprises Inc., Philippines**  
Production Planning & Inventory Control

**To be Accomplished as a BSP Awardee**

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Nueva Vizcaya State University

- Conduct lectures on: Introduction to capacitive deionization (CDI) and Energy recovery system of CD

- Assist faculty on their graduate research study
- Assist in the preparation of two research grant proposals for possible funding from the DOST and other funding institutions on: Advanced Engineering through a writeshop wherein the grouped attendees will mandatorily submit capsule proposal and form A of DOST to gain certificate.
- Introduce NVSU to Ritsumeikan University for future collaborations

#### Isabela State University

- Establishment of mechatronic and mechanical engineering research laboratory
- Meeting for the project proposal "Innovative Bioenergy Assessment on Neighborhood, Aquatic ecosystem and Gaseous emissions (IBANAG) — Assessment (ecological assessment of rivers and streams within the vicinity of a bioenergy plant), Remediation (profitable products from the bioenergy plant waste), Management (long term monitoring of soil, water, air in Isabela) (ARM)
- Preliminary investigation for the project proposal IBANAG-ARM
- Conduct outreach activity by providing Basic Japanese lecture and Introduction to Japanese Culture

#### Both University

- Establish research collaboration between NVSU and ISU
- Provide technical advice for existing PCIEERD projects
- Prepare research grant (with assistance from faculty members) proposal/s for possible funding from the DOST and other funding institutions on: Engineering and Environment Development of innovative technique for hydrogeological seismic survey of groundwater, Construction of automatic environmental sensors and Development of activated carbon from waste materials