

Projects

Research Project Supported by Collaborative Research, Commissioned Research and Grant Donation 2016

Collaborative Research

1. Financial Provider for Research: Aqua Clue
Research Representative: Yuichi Yaguchi
Title: Development of a Remote Centralized Management Device Utilizing Image Processing Technology
Amount: None
2. Financial Provider for Research: International Institute Of Advanced Science and Technology
Research Representative: Takeaki Sampe, Saji Hameed
Title: Technology Development of the Energy Network Utilizing Estimation Technique of Production of Electricity from Renewable Energy
Amount: None
3. Financial Provider for Research: Japan Aerospace Exploration Agency
Research Representative: Ketaro Naruse
Title: Triangulation based simultaneous localization and mapping by massively distributed robots
Amount: ¥ 1,200,000
4. Financial Provider for Research: Toshiba Corp.
Research Representative: Yoichi Tomioka
Title: A Study on Fast Lithography Hotspot Detection
Amount: ¥ 990,000
5. Financial Provider for Research: Embedded Solution Co.Ltd
Research Representative: Takafumi Hayashi
Title: Development of vehicle installation information security
Amount: ¥ 110,000
6. Financial Provider for Research: Corporation Temari
Research Representative: Lei Jing

Title: Research on tooth brushing behavior recognition algorithm
Amount: ¥ 110,000

7. Financial Provider for Research: Simplex Quantum Co.,Ltd.
Research Representative: Wenxi Chen
Title: Development of the personal authentication algorithm from electrocardiographic waveform
Amount: ¥ 7,700,000
8. Financial Provider for Research: Institute of Space and Astronautical Science, JAXA
Research Representative: Hirohide Demura
Title: Research of obstruction detection method for evaluation of landing point in lunar and planetary exploration
Amount: ¥ 1,980,000
9. Financial Provider for Research: Kitashiba Electric Co.,Ltd.
Research Representative: Qiangfu Zhao
Title: Research about automation of inspection process in the motor manufacturing facility
Amount: ¥ 990,000
10. Financial Provider for Research: Toshiba Corp.
Research Representative: Yukihide Kohira
Title: Method to configure the high lithography margin layout in a short time
Amount: ¥ 1,100,000

Commissioned Research

1. Financial Provider for Research: Japan Science and Technology Agency
Research Representative: Toshiaki Miyazaki
Title: Enhancement of disaster resilient functions to prevent and reduce damages
Amount: ¥ 2,850,333

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2. Financial Provider for Research: Japan Science and Technology Agency
Research Representative: Junbo Wang
Title: Dynamic Evolution of Smart-Phone Based Emergency Communications Network
Amount: ¥ 10,920,000

3. Financial Provider for Research: Ministry of Internal Affairs and Communications
Research Representative: Toshiaki Miyazaki
Title: Demand Addressable Sensor Network
Amount: ¥ 18,018,000

4. Financial Provider for Research: Fukushima Prefecture
Research Representative: Kataro Naruse
Title: Development of farming support robot (weeding robot system for rice fields)
Amount: ¥ 1,948,700

5. Financial Provider for Research: ASAHIDENSHI Co.,Ltd
Research Representative: Wenxi Chen
Title: Development of Sleep Monitoring System for Elderly Care Facilities
Amount: ¥ 14,000,000

6. Financial Provider for Research: Sync, Inc.
Research Representative: Yuichi Yaguchi
Title: Research into a database design that that assures high speed and confidentiality
Amount: ¥ 3,696,000

7. Financial Provider for Research: Ministry of Internal Affairs and Communications
Research Representative: Song Guo, Toshiaki Miyazaki
Title: Tracking of Living Activity and Health Condition in Smart Home using Radio reflection and Big data
Amount: ¥ 3,575,000

8. Financial Provider for Research: Kikuchi Seisakusho, Co. Ltd.
Research Representative: Yuichi Yaguchi
Title: “Data processing and collecting sample of acquirable 3D topography data using 3D mapping technology” “Examination for a fall accident simulator development”
Amount: ¥ 7,000,000

9. Financial Provider for Research: Kikuchi Seisakusho, Co. Ltd.
Research Representative: Yuichi Yaguchi
Title: Position and orientation estimation of multi-copters by image and other sensors
Amount: ¥ 1,080,080

10. Financial Provider for Research: GClue, Inc.
Research Representative: Yuichi Okuyama
Title: Evaluation test in the research and development of 360 degrees can be measured LiDAR sensor
Amount: ¥ 495,000

11. Financial Provider for Research: East Japan Accounting Center Co.,Ltd.
Research Representative: Yutaka Watanobe
Title: Research regarding the Interoperability between OpenRTM and ROS
Amount: ¥ 1,980,000

Grant Donation

1. Donation Provider: IITM (Indian Institute of Tropical Meteorology)
Research Representative: Saji Hameed
Title: Monsoon Mission
Amount: ¥ 4,279,837

2. Donation Provider: The Telecommunications Advancement Foundation
Research Representative: Anh T. Pham
Title: Hybrid Architecture and Cross-Layer Design for Free-space Optics/Millimeter-Wave Front/Backhaul of the Next-Generation Mobile Networks
Amount: ¥ 552,000

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3. Donation Provider: Foundation for Research of Arteriosclerosis
Research Representative: Wenxi Chen
Title: Estimation of Vascular Aging and Hypertension from Augmentation Index (AI)
Amount: ¥ 1,000,000

4. Donation Provider: Kawai Foundation for Sound Technology and Music
Research Representative: Julian Vilegas
Title: Improving singing experience for people with tuning difficulties
Amount: ¥ 500,000

5. Donation Provider: Student Affairs Division (Department for Student Affairs), Revitalization Center
Title: IT Nisshin-Kan (4,000,000 by SAD), Research Promotion for LICtiA (6,000,000)
Amount: ¥ 72,828,333