

Research Project Supported by Grants-in-Aid (Kakenhi) 2017

Grant-in-Aid for Scientific Research

1. Category: Scientific Research (C)
Research Representative: Jung-pil Shin
Title: Automonous generation of ink brush characters and hand-writing characters with individuality and natural typographical fluctuation
Amount: ¥ 1,170,000
2. Category: Scientific Research (C)
Research Representative: Toshiaki Miyazaki
Title: Research on ultra-low-power software defined sensor network with self-repairing capability
Amount: ¥ 780,000
3. Category: Scientific Research (C)
Research Representative: Yong Liu
Title: Evolutionary Approaches to Learning Self-awareness for a Decentralized System
Amount: ¥ 1,040,000
4. Category: Scientific Research (C)
Research Representative: Anh T. Pham
Title: Study and development of smart supermarket by using visible light communication (VLC) and smartphone technologies
Amount: ¥ 1,040,000

Projects

5. Category: Scientific Research (C)
Research Representative: Yodai Watanabe
Title: Research on optimality and existence of confidence variance method
Amount: ¥ 1,170,000

6. Category: Scientific Research (C)
Research Representative: Alexander Vazhenin
Title: Service-oriented infrastructure for education of Tsunami modeling and English
Amount: ¥ 1,040,000

7. Category: Scientific Research (C)
Research Representative: Debopriyo Roy
Title: 3D Printing in Creative Factory Contexts for English Language Learning
Amount: ¥ 910,000

8. Category: Scientific Research (C)
Research Representative: Hiroshi Saito
Title: Tamper resistance evaluation of asynchronous circuit by batch data method using programmable delay element
Amount: ¥ 910,000

9. Category: Scientific Research (C)
Research Representative: Konstantin Markov
Title: Speech based emotional and depressive mental state prediction using Gaussian Process state-space models
Amount: ¥ 1,300,000

10. Category: Scientific Research (C)
Research Representative: Incheon Paik
Title: Web service discovery and linkage on big data of linked service network
Amount: ¥ 1,430,000

11. Category: Young Research (B)
Research Representative: Jeremy Perkins

Title: An Acoustic Typology of Creaky Voice
Amount: ¥ 390,000

12. Category: Young Research (B)
Research Representative: Younghyon Heo
Title: Improving English speaking with parsing training
Amount: ¥ 650,000
13. Category: Scientific Research (C)
Research Representative: Julian Villegas
Title: Saund: Simulation of auditory near-field distance
Amount: ¥ 1,170,000
14. Category: Scientific Research (C)
Research Representative: Qiangfu Zhao
Title: Research on action pattern recognition based on small-scale human-presence sensor network
Amount: ¥ 910,000
15. Category: Scientific Research (C)
Research Representative: Shuxue Ding
Title: Research on real-time processing system of compression sensing and sparse expression
Amount: ¥ 1,300,000
16. Category: Scientific Research (C)
Research Representative: Hisako Yasuda
Title: Introduction of Japanese comics analysis for English education: An application to academic writing of role word analysis
Amount: ¥ 1,040,000
17. Category: Scientific Research (C)
Research Representative: Emiko Kaneko
Title: Development of picture prompt with difficulty level information and its effect of characteristics for L2 deliverance
Amount: ¥ 780,000

Projects

18. Category: Young Researcher (B)
Research Representative: Peng Li
Title: A machine learning based system for storing and processing big spatial-temporal data
Amount: ¥ 1,820,000
19. Category: Young Researcher (B)
Research Representative: Yutaka Watanobe
Title: An intelligent programming study support environment
Amount: ¥ 910,000
20. Category: Young Researcher (B) (period extension)
Research Representative: Ryuhei Yamada
Title: Development study of wide range seismometer aiming for network deployment for extreme environment
Amount: ¥ 0
21. Category: Scientific Research (C)
Research Representative: Maxim V. Ryzii
Title: Computer modeling of cardiac conduction system with nonlinear oscillators
Amount: ¥ 1,040,000
22. Category: Scientific Research (C)
Research Representative: Evgeny Pyshkin
Title: Advancing interfaces and algorithms used in traveler-centric information systems supporting geographical, cultural and historical perspectives
Amount: ¥ 910,000
23. Category: Scientific Research (C)
Research Representative: Naru Hirata
Title: Spectral data analysis of Asteroid Itokawa based on high precision shape model
Amount: ¥ 2,210,000
24. Category: Young Researcher (B)
Research Representative: Yukihide Kohira

Title: Development of designing technology of integrated circuit which is resistant to delay dispersion and aging degradation
Amount: ¥ 1,300,000

25. Category: Young Researcher (B)
Research Representative: Sender Dovchin
Title: Integrating English language based Western social media in the EFL classrooms in Japanese universities
Amount: ¥ 1,690,000
26. Category: Young Researcher (B)
Research Representative: Jun Ogawa
Title: Evolved soft robotics for efficient development of irregular terrain capable robots in disaster scene
Amount: ¥ 1,040,000
27. Category: Young Researcher (B)
Research Representative: Chunhua Su
Title: Method of authentication and privacy protection in IoT environment
Amount: ¥ 1,085,373
28. Category: Young Researcher (B)
Research Representative: Yosuke Kira
Title: Breakthrough of social dilemma research by establishing large-scaled online experiment method
Amount: ¥ 1,170,000
29. Category: Scientific Research (B)
Research Representative: Shigeo Takahashi
Title: Research on dynamic configuration optimization for annotative visual information display
Amount: ¥ 7,110,000
30. Category: Publication of Scientific Research Results
Research Representative: Nobuyoshi Asai
Title: Hyper-Dictionary: Hyper English word origin dictionary
Amount: ¥ 1,700,000

Projects

31. Category: JSPS Research Fellow
Research Representative: Huawei Huang
Title: Conjoint optimization of routing and protection in software defined network
Amount: ¥ 780,000

Contribution from outside the University

1. Category: Scientific Research (A)
Research Representative: Hiroshi Saito
Title: Research on ultra-low-power consumption technology of high-speed serial communication mechanism
Distribution: National Institute of Informatics Amount: ¥ 500,000
2. Category: Scientific Research (C)
Research Representative: Emiko Kaneko
Title: Vocabulary and grammar coaching for improvement of English delivery profluency
Distribution: Kobe Gakuin University Amount: ¥ 60,000
3. Category: Scientific Research (S)
Research Representative: Maxim V. Ryzhii
Title: Creation of two-dimensional atomic lamina heterojunction and its application for terahertz opto-electronics device application
Distribution: Tohoku University Amount: ¥ 700,000
4. Category: Scientific Research on Innovative Areas
Research Representative: Shigeo Takahashi
Title: Enhancing visualization foundation encouraging space modeling
Distribution: Keio University Amount: ¥ 2,600,000
5. Category: Scientific Research (C)
Research Representative: Takao Maeda
Title: Production method of novel series by multi-dimensionalization and structuration and their mathematics and application
Distribution: Niigata University Amount: ¥ 100,000

6. Category: Scientific Research (C)
 Research Representative: Yodai Watanabe
 Title: Production method of novel series by multi-dimensionalization and structuration and their mathematics and application
 Distribution: Niigata University Amount: ¥ 100,000

7. Category: Scientific Research (B)
 Research Representative: Naohito Nakasato
 Title: Co-design of accelerator and software for accelerating multiple-precision integral calculation
 Distribution: Hitotsubashi University Amount: ¥ 500,000

8. Category: Scientific Research (B)
 Research Representative: Zhu Xin
 Title: Multi-hierarchical analysis of role of TRPM family in development mechanism of atrial fibrillation
 Distribution: Fukuoka University Amount: ¥ 500,000

9. Category: Scientific Research (B)
 Research Representative: Yosuke Kira
 Title: Commons moving with citizen society — Mathematical sociology research for enlivenment of hilly and mountainous areas
 Distribution: Shibaura Institute of Technology Amount: ¥ 45,000

10. Category: Scientific Research (A)
 Research Representative: Emiko Kaneko
 Title: CEFR-J (English skill achievement index) compliant CAN-DO coaching task and prototype development and publication
 Distribution: Tokyo University of Foreign Studies Amount: ¥ 250,000

11. Category: Scientific Research (C)
 Research Representative: Kenta Ofuji
 Title: Investigation of linguistic feature of effective evacuation call sentence on natural disaster — for more appeal on refuge psychology
 Distribution: Gunma Prefectural Women's University Amount: ¥ 153,000

Projects

12. Category: Scientific Research (B)

Research Representative: Shigeyuki Aoki

Title: Fundamental research for development of interactive educational material for discussion education

Distribution: Kyushu University Amount: ¥ 150,000