

2022 年度 ISEE Interanational Joint Research Program採択一覧

2022 ISEE/CICR International Joint Research Program

List of Accepted Proposals

* 所属機関・職名は申請時のとおり

* Proposer's affiliation and job title are as of the proposal submission date.

| 研究代表者 (Principal Investigator) | 所属機関* (Affiliation) | 職名* (Job title) | 所内担当教員 (Corresponding ISEE researcher) | 研究課題 (Project title) |
|-----------------------------------|--|---------------------------------|---|---|
| Rangaiah Kariyappa | Indian Institute of Astrophysics | Former Professor | Satoshi Masuda | Solar X-ray Irradiance, Temperature & Magnetic Field Variabilities of the Spatially Resolved Coronal Features |
| VENKATA RATNAM DEVANABOYINA | KLEF deemed to be University | Professor | Yuichi Otsuka | Investigation of Extreme Global Total Electron Content Events using Statistical and Fractal Methods |
| AKALA ANDREW OKE-OVIE | UNIVERSITY OF LAGOS, LAGOS, NIGERIA | Associate Professor | Yuichi Otsuka | A study on responses of global equatorial/low-latitude ionosphere to CIR-driven and CME-driven intense geomagnetic storms during solar cycle 24 |
| Singh Ravindra Pratap | Physical Research Laboratory | Academic Faculty | Satonori Nozawa | SSW influence on the MLT dynamics, temperature, and meridional circulation |
| CHEN LINJIE | National Astronomical Observatories, Chinese Academy of Sciences | Associate Researcher/ Professor | Kazumasa Iwai | Estimation of solar wind speed using the multi-station IPS telescope |
| Maurya Ajeet Kumar | Babasaheb Bhimrao Ambedkar University, Lucknow | Assistant Professor | Yuichi Otsuka | Understanding vertical atmosphere-ionosphere (AI) coupling through atmospheric gravity waves |

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|-----------------------------------|---|------------------------------|---|---|
| Abadi Prayitno | Other Institution | Researcher | Yuichi Otsuka | Developing a nowcasting capability for the occurrence of post-sunset equatorial plasma bubble in Southeast Asia |
| Teh Wai-Leong | Universiti Kebangsaan Malaysia | Lecturer | Takayuki Umeda | Understanding the Role of Magnetic Island in Plasma Acceleration and Energy Conversion during Magnetic Reconnection |
| Opgenoorth Hermann | University of Umea | Professor Emeritus | Nozomu Nishitani | Study of sub-auroral storm time magnetic and convection disturbances and their effects for GIC and GNSS impacts. |
| Wang Dedong | Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences | Scientist | Yoshizumi Miyoshi | Analytical Chorus Wave Models Derived from Van Allen Probe and Arase Observations |
| Sudarsanam Tulasiram | Indian Institute of Geomagnetism | Professor | Kazuo Shiokawa | Geomagnetically Induced Currents at equator due to IP shocks and solar wind discontinuities |
| Chakraborty Shibaji | Virginia Polytechnic Institute and State University | Postdoctoral Associate | Nozomu Nishitani | Influence of Solar Flare-Driven Changes in the Ionospheric Conductance and Electric Fields on HF Radar Observed Doppler Flash |
| Santolik Ondrej | Institute of Atmospheric Physics | Professor | Yoshizumi Miyoshi | Investigation of electromagnetic waves in space plasmas |
| 原 拓也 | University of California Berkeley | Assistant Research Physicist | Kazumasa Iwai | Multi-point spacecraft investigations on the solar erupted magnetic flux ropes propagating through the inner heliosphere |

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| Fedun Viktor | The University of Sheffield | Professor | Kanya Kusano | Analysis of solar active regions based on Lagrangian methodology |
| Lazzara Matthew | University of Wisconsin-Madison, Space Science and Engineering Center | Senior Scientist | Naoyuki Kurita | Creation of a new high-quality long-term temperature dataset of East Antarctic meteorological observations |
| Krucker Samuel | FHNW | Professor | Satoshi Masuda | The NoRH/RHESSI flare catalogue: time-dependent analysis |
| Welsch Brian | University of Wisconsin - Green Bay | Associate Professor | Kanya Kusano | Exploring Magnetic Energies to Understand and Predict CME Onset |
| Aizawa Sae | Institut de Recherche en Astrophysique et Planetologie | Postdoc | Yoshizumi Miyoshi | Investigation of the solar wind propagation and its characteristics in the inner heliosphere using multi-spacecraft, ground-based observations and numerical simulations |
| Foerster Matthias | GFZ German Research Centre for Geosciences | senior scientist | Nozomu Nishitani | Subauroral phenomena observed by SuperDARN and the Swarm satellite constellation |
| Berger Thomas | University of Colorado at Boulder | Research Staff | Kanya Kusano | Investigation of Solar Polar Magnetic Fields using Hinode/SP and SDO/HMI Data |
| Rakowski Andrzej | Silesian University of Technology | Associate Professor | Masayo Minami | Establishment of master dendrochronological calibration curve around 660 BC using annual tree ring samples from Poland |

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| Tobias Spiegl | Universität Berlin | Professor | Fusa Miyake | Modelling the transport and deposition of ^{14}C produced by extreme solar proton events and ^7Be produced by galactic cosmic rays during the satellite era. |
