

SFC 研究所所長 殿

SFC 研究所ラボラトリ年次活動実績報告書（2021年度）

ラボ名称	日印研究・ラボ（India Japan Laboratory (IJL)）					
ラボ代表者	氏名	ショウ ラジブ	所属	政策・メディア研究科		
ラボ設置期間	2019年12月1日		～	2022年11月30日	3	年間

ラボラトリの学外研究拠点 ※学外の拠点で活動している場合、その詳細を記載ください。	
名称（例：東京〇〇ビル）	所在地（例：東京都〇〇区〇〇1-1-1 5F）

構成メンバー（提出時点）		
氏名	所属・職位	役割（全員分記載してください）
Rajib Shaw	政策・メディア研究科・教授	environment, disaster, SDG, climate change, ST policy and application
Satoko Oki	環境情報学部・准教授	earthquake risk reduction, disaster education
Jun Murai	大学共通(三田)・教授	internet, cyber security, technology development
Hiroya Tanaka	環境情報学部・教授	community-based solutions with new technologies, fabrication lab
Kazuto Ataka	環境情報学部・教授	data science, industry/ business/ research and people development in AI and data age
Rodney D. Van Meter	環境情報学部・教授	Quantum computer architecture and quantum networking
Yuka Kataoka	Doctorate student	Education
Vibhas Sukhwani	Doctorate student	SDG, environment and DRR
Mika Kunieda	Assistant Professor	Public health
Kotaro Kataoka	Associate Professor, IIT Hyderabad	internet architecture, SDN, block chain
Yukio Takeyari	NASSCOM Japan Council / SFC研究所 上席所員	Industry relation
Patrick Savage	環境情報学部・准教授	comparative study of world music
Akiko Kato	Lecturer and Doctorate Student	Yoga and SDGs
Kazuaki Ohashi	The Yoga Organization of Japan	Advisor

年次活動実績報告

1. Course on Culture, Environment & Technology of India

A new course on 'Culture, Environment and Technology of India' has been started in Keio University from the Spring Semester 2020, wherein eminent guest faculties are invited to share their practical knowledge and experience. More than 100 students registered for the second batch of this course, and the beginning of this course was marked in presence of HE Ambassador S. K. Verma, Mr. Mayank jJshi, Deputy Chief of Mission, Embassy of India in Japan. Students were asked express their views on the future of India Japan collaboration, which was analyzed and published as a special report: <https://indiajapanlab.org/wpIJ/wp-content/uploads/2021/11/India-Japan-Bilateral-Relations-Student-voices-and-aspirations.pdf>

2. Gramotthan

India is witnessing a rapid growth in recent years and the resulting transformations present peculiar challenges, particularly to the rural regions of the country. With an aim of making all the citizens, rural and urban alike, self-reliant in all senses, the Government of India has initiated the 'Atmanirbhar Bharat Abhiyaan' or the Self-reliant India Campaign. The uncertainties and challenges faced by governments, private sectors, NGOs and communities alike, at the lowest level of administration, call for unique solutions in order to accomplish the mission of 'Atmanirbhar Bharat'. Under this umbrella concept, this innovation challenge calls for mission-driven individuals to address these issues for making India a self-reliant society. The innovation challenge mainly focuses on five broad themes related to rural social innovation, which should not be considered as limiting conditions. These themes can exist for stand alone solutions or can be merged to have an interdisciplinary approach. The ideas were screened based on uniqueness and feasibility. The Top 5 screened ideas proceed for the final presentation, and three were selected for the top prize. A detailed report is available at: <https://indiajapanlab.org/wpIJ/wp-content/uploads/2022/02/Gramotthan-2022.pdf>

3 InJan PULIYA

India Japan collaborative platform (InJan Puliya: meaning small bridge) was created to foster collaboration. On 16th January 2022, Keio University India Japan Laboratory (IJL) conducted the first training program of INJAN-AMBASSADOR, focusing on the theme of Japanese Manga/Anime. Organized in a hybrid mode, the event witnessed diverse participants from India and Japan, joining through online and offline mode. Remarkably, the event marks the 70th anniversary of diplomatic relations between Japan and India. As part of the training, Mr. Yuji Nunokawa (founder of the Anime studio: Pierrot. Co.,Ltd.) shared their vast experiences on the Japanese manga industry, including the worldwide best-seller anime, NARUTO and BLEACH, etc. An overview of history of the Japanese Anime and the current Japanese Anime Business was also provided, before highlighting the characteristics of the ever-growing online video distribution market. The training session concluded with an interactive Q&A session.

研究成果（学術論文、著作物、メディア露出等）

Report:

Onagawa: Voices on the Great East Japan Earthquake and Tsunami in Onagawa and message of friendship to India, available at: <https://indiajapanlab.org/wpIj/wp-content/uploads/2021/11/Onagawa.pdf>

Paper:

1. Wataya, E.; Shaw, R. (2022): Soft Assets Consideration in Smart and Resilient City Development. *Smart Cities* 2022, 5, 108-130. <https://doi.org/10.3390/smartcities5010007>

2. Kanbara, S.; Shaw, R. (2022): Disaster Risk Reduction Regime in Japan: An Analysis in the Perspective of Open Data, Open Governance. *Sustainability*, 14, 19. <https://doi.org/10.3390/su14010019>

3. Mitra, P.; Shaw, R., Sukhwani, V.; Mitra, B.K.; Rahman, M.A.; Deshkar, S.; Sharma, D. (2021): Urban-Rural Partnership Framework to Enhance Food-Energy-Water Security in the Post-COVID-19 Era. *Int. J. Environ. Res. Public Health* 2021, 18, 12493. <https://doi.org/10.3390/ijerph182312493>

4. Dabral A., Bajwa S., Shioyama S., Chatterjee R. and Shaw R. (2021): Social innovation hackathon for driving innovation in disaster risk reduction (DRR), *Journal of Integrated Disaster Risk Management, IDRiM* (2021) 11 (1) ISSN: 2185-8322 DOI10.5595/001c.28876

5. Mohanty S., Dabral A., Chatterjee R. and Shaw R. (2021): Shelter management during pandemics: lessons from cascading risks of cyclones and COVID-19 in *International Journal of Disaster Resilience in the Built Environment*, <https://doi.org/10.1108/IJDRBE-09-2020-0103>

6. Bajwa S., Dabral A., Chatterjee R. and Shaw R. (2021): Co-Producing Knowledge Innovation through Thematic Incubators for Disaster Risk Reduction and Sustainable Development in India, *Sustainability*, 2021, 13, 2044. <https://doi.org/10.3390/su13042044>