



Coalition for Disaster Resilient Infrastructure

Fellowship Programme 2022-23

Awardees

**CDRI Fellowship
Programme
Cohort
2022-23**

Call Opened - July 2021

Fellowship Amount – US\$ 15000

Duration – 12 months



160

applications

18

CDRI member
countries

124

considered for
desk review

76

recommended
for double-blind
peer review

59

recommended
for internal
review

43

recommended
for
International
Jury review



International Jury



Dr Charlotte Benson

Principal Disaster Risk Management Specialist, Sustainable Development and Climate Change Department, Asian Development Bank (ADB)



Prof Jim Hall

Professor of Climate and Environmental Risk (School of Geography and the Environment) Senior Research Fellow (Department of Engineering Science), Fellow (Linacre College)



Ms Marjorie Greene

(Retired) Special Projects Manager at Earthquake Engineering Research Institute (EERI)



Prof Ravi Sinha

Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, India



Prof Satoru Nishikawa

Professor, Disaster Mitigation Research Center, Nagoya University

15 Fellowship Awardees recommended by International Jury



♂ **72%**

♀ **28%**



Presenting Cohort

2022-2023

Peru

Water Collection, Storage and Treatment System in a Floating Community Space in the Peruvian Amazon



Ms Belen Desmaison

Researcher
Pontificia Universidad Católica del Perú



Mr Kleber Espinoza

Researcher
Pontificia Universidad Católica del Perú

**United
Kingdom**

CDRI Fellowship Programme 2022-23

Nature-Based Solutions for Resilient Infrastructure Systems



Ms Robyn Alison Haggis

DPhil Student
University of Oxford Environmental Change Institute

Japan

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Real-Time Scour Detection and Prediction of Structural Performance and Safety



Mr Daigo Kawabe

Researcher
Kyoto University



Dr Vasilis Sarhosis

Associate Professor
University of Leeds

India

**Financial Decision Framework for Infrastructures
Based on Disaster Damage Rating Models Using
Machine Learning Approaches**



Mr Saurabh Gupta

Research Scholar
Indian Institute of Technology Kanpur

Chile

Managing and Financing Risk for Resilient Rural Road Networks: Standards Recommendations Under a Multi-Hazard Approach



Dr Alondra Chamorro

Associate Professor
Pontificia Universidad Católica de Chile
Principal Investigator, CIGIDEN
Principal Investigator, Clapes UC



Dr Tomás Echaveguren

Associate Professor
Universidad de Concepción
Associate Investigator, CIGIDEN



Ms Natalia Nieto

Technical staff, CIGIDEN
Investigator, Clapes UC

Bhutan

Risk Assessment and Hazard Mapping of Bhutan's Power System Network/ Infrastructure



Mr Cheku Dorji

Lecturer
College of Science and Technology
Royal University of Bhutan



Mr Namgay Tenzin

Associate Lecturer
College of Science and Technology
Royal University of Bhutan

Bhutan

Risk Assessment and Hazard Mapping of Bhutan's Power System Network/ Infrastructure



Mr Cheten Tshering

Senior Engineer
Transmission & Distribution Department
Bhutan Power Corporation Limited



Mr Nima Dukpa

Assistant Professor
College of Science and Technology
Royal University of Bhutan

Australia

Robust Approach to Assessing Post-Fire Structural Behaviour of High-Rise Mass Timber Buildings



Dr Satheeskumar Navaratnam

Lecturer, Civil and Infrastructure Engineering
RMIT University, Melbourne, Australia

Japan

A Framework for Evaluating Bridge-network Resilience by Considering Socio-technical Attributes



Dr Rubel Das

Researcher
Research and Development Center
Nippon Koei Co. Ltd.



Dr Masaaki Nakano

General manager
Research and Development Center
Nippon Koei Co. Ltd.



Mr Tetsuro Goda

Researcher
Research and Development Center
Nippon Koei Co. Ltd.

Sri Lanka

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Development of a Distributed Optical Fiber Sensor Network-Based Condition Monitoring System to Alert Road Collapses



Dr Madhubhashitha Herath

Senior Lecturer
Uva Wellassa University, Sri Lanka



Dr Jayantha Epaarachchi

Associate Professor
University of Southern Queensland, Australia

India

Flood Disaster Resilient Hydraulic Design of Bridges Exposed to Climate Change



Dr Rakesh Kumar

Professor

Sharda University, Greater Noida, Uttar Pradesh, India

Canada

CDRI Fellowship Programme 2022-23

Constructed Wetlands for Wastewater Treatment Plant Resilience



Ms Cayla Anderson

Graduate Student Researcher
Department of Civil Engineering
University of British Columbia, Vancouver

Bangladesh - Japan

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Evaluation of Cyclonic Disaster Resilience of Coastal Healthcare Infrastructure In Bangladesh: A Special Comparison With Japan



Dr Gulsan Ara Parvin

Researcher
College of Policy Science, Ritsumeikan
University, Osaka, Japan



Prof Md. Anwarul Abedin

Professor
Department of Soil Science, Bangladesh
Agricultural University, Mymensingh, Bangladesh

Bangladesh - Japan

Evaluation of Cyclonic Disaster Resilience of Coastal Healthcare Infrastructure In Bangladesh: A Special Comparison With Japan



Dr Nina Takashino

Associate Professor.
College of Policy Science, Ritsumeikan
University, Osaka, Japan



Dr Mrittika Basu

Assistant Professor
Rural Planning and Sustainable
Rural Development, Kyoto University, Japan

**United
States of
America**

**Resilience of Power Grid Infrastructure with
Renewables to Extreme Events in a Changing
Climate**



Mr Prateek Arora

Ph.D. Student
New York University

**United
States of
America**

CDRI Fellowship Programme 2022-23

A New Transportation Disruption Metric for Household Food And Water Resource Accessibility In Earthquakes



Mr Joseph Toland

Principal/Owner
Joseph Toland, Consulting | Research

India

CDRI Fellowship Programme 2022-23

Machine Learning-Based Unified Seismic Vulnerability Prediction Model for the Heritage Minarets of India



Mr Vinay Shimpi

Research Fellow
NIT Puducherry



**Dr Madappa VR
Sivasubramanian**

Assistant Professor
NIT Puducherry



Dr Nidhi M

Assistant Professor
NIT Puducherry

India

Machine Learning-Based Unified Seismic Vulnerability Prediction Model for the Heritage Minarets of India



Dr Shamsheer Bahadur Singh

Senior Professor
BITS Pilani



Dr Nikolaos Nikitas

Associate Professor
University of Leeds, United Kingdom



Congratulations!

CDRI Fellows 2022-23

