====== Call for Papers Virtual Avatar-based Irago Conference 2020======

Dear friends and colleagues we are pleased to invite contributions for the **Virtual Irago Conference Series 2020.**

**<In partnership with Springer Nature>**

**IRAGO: “Interdisciplinary Research and Global Outlook”**

The main theme of the invited talks is **“Living with CORONA-19”, where internationally renowned experts will share their experiences and insights into the challenges facing humanity during the COVID-19 pandemic.**

The conference this year will be online with Zoom invited talks and an “avatar-based poster session”.   
**Virtual Irago Conference 2020 website and video showing the features of the avatar poster session**   
[http://www.iragoconference.jp](http://www.iragoconference.jp/)  
[**Poster**](http://iragoconference.jp/wp/wp-content/uploads/2020/11/irago-2020-poster2.pdf)

**Core theme: Living with CORONA-19**   
**Date: 11 December 2020**

Virtual: Zoom invited talks and an avatar-based poster session  
**Accepting abstracts from 1 November 2020  
Deadline for abstracts: 26 November 2020**

**Abstract template**

<http://iragoconference.jp/abstracts/>

**Further information**  
Virtual Irago Conference 2020  
EMAIL: iragoconferenceseries@gmail.com  
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**Invited talks (the list is being updated regularly)**

The invited talks will cover talks related to “**Living with CORONA-19**”:

Invited speakers (updated 1st November 2020)   
<http://iragoconference.jp/invited-speakers/>

**Topics covered by the invited speakers at Virtual Irago Conference 2020 include:**

Treatment, testing, and vaccines for COVID-19

Simulating the evolution and spread of COVID-19

Innovative approaches to teaching experimental classes to overcome limitations of on-line teleconferencing university tuition

Front line accounts by medical staff of treating COVID-19 patients in emergency settings

Trends in publishing premier research during the COVID-19 pandemic

Global survey on the effects of COVID-19 on scientific research

Social aspects of COVID-19 including careers paths

**Areas covered in the avatar poster session**

<http://iragoconference.jp/archives/2020/>

**Observation, Measurement, Monitoring and Evaluation**

Advanced observation and measurement technologies

Climate change

Astronomical and solar system observation

Materials science and materials informatics

Micro sensing systems

Measurement systems for extreme environments

**Information and computer science**

Artificial intelligence

Quantum computing

Big data

Machine learning

Computer graphics and 3D animation

Man – machine interface

**Medicine and Healthcare**

Biomimetic materials and protocols

Neuroscience

Genetics

Molecular biology

Healthcare and diagnostics

Nanosurgery

Microorganisms

Drug delivery and discovery

Life threatening diseases

Regenerative medicine

Pandemics

Innovative Technology for health/welfare

Music therapy, brain and mind healing

Energy and Environment

**Environment and pollution**

Biofuel

Natural energy (solar, wind, wave)

Energy conservation

Methane hydrate

Oceanography

Agriculture and plant science

Frontiers of Advanced Science and Technology

**Electronic materials and devices**

CMOS and silicon devices

Integrated circuits

MEMS and NEMS

Optoelectronics

Magnetic materials and related devices

Man-Machine Interface

Robotics

Piezoelectric actuators

Graphene synthesis and applications

Spintronics

Submission of abstracts and template  
<http://iragoconference.jp/abstracts/>

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**Background and objectives**  
The Irago Conference series offer a “360-degree outlook on critical scientific and technological challenges for a sustainable society”. Recent changes in global economics and industrial priorities, environmental and energy policies, food production and population movements have produced formidable challenges that must be addressed for sustaining life on earth.  
  
The objective of this conference is to provide an ‘interdisciplinary-platform’ to enhance mutual understanding between scientists, engineers, policy makers, and experts from a wide spectrum of pure and applied sciences in order to resolve the daunting global issues facing mankind. In particular, the organizers would like to encourage graduate school students to participate and talk directly with internationally renowned academics, industrialists, and opinion leaders for a firsthand view of the major issues facing scientists and engineers of the 21st century.  
The Irago Conference "Graduate Student Session" is a platform for graduate students to describe their latest findings to their peers and senior researchers at the conference.  
  
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