



The 1st Climate and Water Forum at HKUST

The aim of the CWF is to facilitate an annual dialog among scientists, engineers, public and private enterprise and government entities to address **emerging threats from the changing climate and environment, the depleting availability of clean water, the urge to identify renewable energy to replace fossil fuel, to reduce uncertainty and anxiety for the next generation** that will inherit the world.

The 1st CWF includes 3 clusters:

I. Challenges and opportunities

The 1st cluster focuses on addressing at least one of the following main questions or beyond

- What are the **current challenges** in climate and water systems that human society is facing?
- What are missing in the research fields or **disconnection between academia and non-academia** when it comes to solving the emerging climate and water problems?
- What are the opportunities for the academic society to **advance our understanding of nature and built system**, to **extend the application of our knowledge in real actions**?

II. Technical advances – data, tools, technology

The 2nd cluster focuses on introducing **new tools and approaches** that transcend multiple disciplines. As smart monitoring and intelligent data processing and analyzing tools become more available to the vanguard of scientific progress, this cluster serves more like a mini workshop, where the participants expect to **learn more about “how” than “what”**, e.g., how to find the data/technology, how to use the method, how to interpret the results.

III. New understandings and exciting results

In the 3rd cluster, we invite experts to share their **most recent results that contribute new understandings** of the variabilities and risks in Earth’s climate and water system. With the timely sharing of new findings, we wish **more ideas to be exchanged among scientists, graduated students, policymakers and other parties**.

Registration link: https://hkust.zoom.us/webinar/register/WN_PKZqcUa5QJSNBB5HoOgXqw

Chair of CWF

Prof. Mengqian Lu (mengqian.lu@ust.hk)

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CWF2021 Organization Committee members

Tat Fan Cheng (tfchengac@connect.ust.hk) for **Registration & Schedule**

Mengxin Pan (mpanab@connect.ust.hk) for **External Promotion & Logistics**



Schedule

HK Time	Speaker	Affiliation	Cluster/Topic
7 May 2021 8:30 am, Fri	Upmanu Lall	Alan & Carol Silberstein Professor of Engineering, Department of Earth and Environmental Eng., & Civil Eng. & Eng. Mechanics, Columbia University Director, Columbia Water Center; Senior Research Scientist, International Research Institute for Climate & Society	Cluster 1/TBA
7 May 2021 10:00 am, Fri	Bin Wang	Professor, Atmospheric Sciences, University of Hawaii	Cluster 1/TBA
8 May 2021 8:30 am, Sat	Ximing Cai	Colonel Harry F. and Frankie M. Lovell Endowed Professor, Ven Te Chow Faculty Scholar in Water Resources, Donald Biggar Willett Faculty Scholar, University of Illinois Urbana-Champaign	Cluster 1/TBA
8 May 2021 10:00 am, Sat	Balaji Rajagopalan	Professor & Chair, Civil Environmental, and Architectural Engineering; Fellow, Co-operative Institute for Research in Environmental Sciences (CIRES), University of Colorado, Boulder, CO	Cluster 2/TBA
14 May 2021 8:30 am, Fri	Andrew W. Robertson	Senior Research Scientist, Head of Climate Group, International Research Institute for Climate and Society	Cluster 2/TBA
15 May 2021 8:30 am, Sat	Casey Brown	Professor, Civil and Environmental Engineering, University of Massachusetts Amherst	Cluster 1/TBA
21 May 2021 8:30 am, Fri	Naresh Devineni	Associate Professor, Civil Engineering, The City College of New York	Cluster 2/TBA
21 May 2021 10:00 am, Fri	Lai-yung Ruby Leung	Battelle Fellow, Pacific Northwest National Laboratory	Cluster 3/TBA
22 May 2021 8:30 am, Sat	Shang-ping Xie	Professor and co-leader, IPRC Indo-Pacific Climate Theme, Scripps Institution of Oceanography, University of California San Diego	Cluster 3/TBA
28 May 2021 8:30 am, Fri	John C. H. Chiang	Professor, Department of Geography, Berkeley Atmospheric Sciences Center, University of California, Berkeley	Cluster 3/TBA
29 May 2021 8:30 am, Sat	Kerry Emanuel	Professor, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology	Cluster 3/TBA

Notes: each session includes a 45-min talk and a 30-min Q&A.

What's more

We expect your submission to the **special issue of Atmosphere** (ISSN 2073-4433): **["Atmospheric Rivers – Bridging Weather, Climate and Society"](#)**. Deadline: **16 September 2021**.