Indian National Science Academy

Invites all to

Jawaharlal Nehru Birth Centenary Medal Lecture -2022

Professor Marcia McNutt

President, National Academy of Sciences, USA

Misinformation: Addressing the Challenge

Panel Discussion: Coordinated by A.K. Singhvi

Changing Narratives of STI, Economics, Ethics and Society:

Issues and Challenges in Recalibrating the Role of Academies and Academia

Marcia McNutt
President, NASEM
USA

Geoffrey Boulton
Member, GB
Int. Sci. Council

Naomi Oreskes
Professor
Harvard Univ.

Holden Thorp
Editor in Chief
Science Journals

Chandrima Shaha
President
INSA, India

March 3, 2022 (IST)
1800-2000 hrs
Use the Link to join

YouTube LINK: https://youtu.be/76kuGgtq25k

Indian National Science Academy

Award Lecture and Panel Discussion

Jawaharlal Nehru Birth Centenary Medal-2022

Professor Marcia McNutt

President, National Academy of Sciences, USA

Misinformation: Addressing the Challenge

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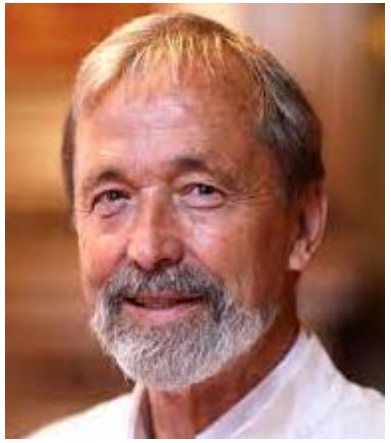
Panel Discussion

Changing narratives of STI, Economics, Ethics and Society:
Issues and Challenges in recalibrating the role of Academies and Academia

Marcia McNutt
President,
NASEM , USA



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Moderated by: Ashok Singhvi

Will deal with

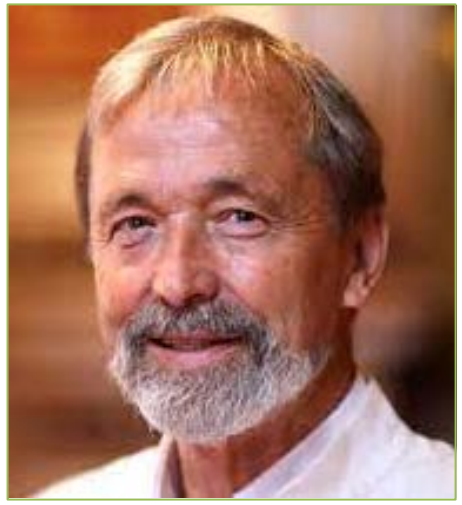
the challenge of separating information from misinformation and disinformation, for people who are not scientists (and even those who are, but practicing in distant fields from the message), with examples

Professor Marcia McNutt

President, National Academy of Sciences, USA

Prof. Marcia McNutt did BA in Physics from Colorado College, PhD in Earth sciences from the Scripps Institution of Oceanography. Her research deals with dynamics of the upper mantle and lithosphere on geologic time scales. She served as Professor of Geophysics at MIT. As President & CEO of the Monterey Bay Aquarium Res, Inst. in California, she led the development of biological and chemical sensors for remote deployments; installed the first deep-sea cabled observatory with AI for autonomous vehicles.

Prof. Mc Nutt was, Director of the U.S. Geological Survey (USGS); President AGU; Chair of the Board of Governors for Joint Oceanographic Institutions and directed the' IODP's JOIDES Research ship. She is a fellow of AGU, the Geol. Soc. of America, AAAAS and Int. Ass. Geodesy. Her honours include; Member, American Phil. Soc. ; the American Academy of Arts and Sciences; AGU Medal for young scientist; Maurice Ewing Medal for deep-sea exploration, the U.S. Coast Guard's Meritorious Service Medal for her leadership in containing oil spill. She has received numerous honorary doctorates.



Will focus on

The digital shift, its impact on the circulation of information and misinformation, and the challenges that it creates for scientific institutions and universities

Professor Geoffrey Boulton, FRS, OBE,

Vice Chair, Science, International Science Council

Prof. Geoffrey Boulton is acclaimed for his seminal studies towards understanding how ancient landforms were created. His work blends fieldwork in Iceland and Antarctica, laboratory studies and mathematical modelling to investigate how present-day glaciers interact with the beds over which they flow, and how these processes inform the understanding of geological signatures of prehistoric ice sheets.

Prof. Boulton is a member of the Governing board of the International Science Council (ISC) and is an architect of its Science Plans. His numerous recognitions include: the *Order of British Empire* for Services to Science and Higher Education, the Seligman Crystal of the International Glaciological Society, Lyell medal of the Geological Society of London, Royal Medal of the Royal Geographical Society, Kirk Bryan Award of the Geological Society of America, Commandeur de l'Ordre des Palmes Académiques by the French government, and several honorary doctorates.

His seminal article, ***What are the universities for*** has been internationally influential. He recently authored a position paper for the ISC entitled **Science as a Global Public Good**, a title that is also the Council's vision

Will discuss

Why the “supply side” model of scientific information hasn’t worked

Prof. Naomi Oreskes
Divisions of History of Science and Earth Sciences, Harvard University

Prof. Naomi Oreskes is a leading voice on the role of science in society and the reality of anthropogenic climate change. Oreskes has authored/ co-authored 7 books, and over 150 articles. Her books include ***Merchants of Doubt*****,** ***The Collapse of Western Civilization*****,** ***Discerning Experts*****,** ***Why Trust Science*****?, and** ***Science on a Mission: American Oceanography from the Cold War to Climate Change. Her*** **new book the** ***Magic of the Marketplace: The True History of a False Idea*** is anticipated. *Merchants of Doubt*, is now a film, and has been translated into nine languages. Her numerous recognitions include the Geological Society of America Mary C. Rabbitt Award, the British Academy Medal, the Schneider Award for Climate Science Communication; Public Service Award of the Geological Society of America, Herbert and American Geophysical Union Presidential Citation for Science and Society. She is a fellow of the AGU, Geol. Soc. of America, the American Association for the Advancement of Science, the American Academy of Arts and Sciences, and the American Philosophical Society.

Will deliberate on

How the sudden politicization of science is a myth. Science has always existed in the political sphere and used by politicians as they see fit, particularly in the last 50 years

Prof. Holden Thorp,
Editor in Chief, Science Journals

Prof. Holden Thorp had his early degrees from Univ. of North Carolina and doctorate in chemistry from Caltech. He was a post-doctoral Fellow at the Yale University. He served as Chancellor at UNC; Provost and a Distinguished Professor at Washington University, St. Louis with twin appointments in Chemistry and Medicine. Prof. Thorp is Editor-in-Chief of the Science Journals in 2019 and his incisive editorials have been widely acclaimed. He has co-authored two books, on **Higher education: Engines of Innovation** and **The Entrepreneurial University in the Twenty-First Century and Our Higher Calling: Rebuilding the Partnership Between America and its Colleges and Universities**. He a fellow of the National Academy of Inventors and the American Assoc. for the Advancement of Science and Arts.

Will examine

How predatory publishing has led to generation of difficult to identify misinformation and its detrimental effect on people relying on scientific material for research or in developing professional skills

Professor Chandrima Shaha

President, Indian National Science Academy

Prof. Chandrima Shaha trained as a post doctorate at the University of Kansas and Population Council, New York and then joined the National Institute of Immunology, New Delhi where she served as Director and Professor of Eminence. Currently, she is JC Bose Chair Distinguished Professor of National Academy of Sciences at the Indian Institute of Chemical Biology. Her research interests' focus on understanding the processes that influence cell death programs in diverse organisms. Dr. Shaha served as Member of Task Forces on, Human Genetics and Genome Analysis of the DBT; Regulation of Male Fertility of the WHO and the Int. Consortium on Male Contraception, New York.

She is a fellow of the World Academy of Sciences TWAS. Her notable awards include the Ranbaxy Science Foundation Award for basic sciences; the J.C. Bose Fellowship; Shanti Swarup Bhatnagar Medal of INSA; Om Prakash Bhasin Award; Archana Sharma Memorial Award; Darshan Ranganathan Memorial Award; Chandrakala