



Program

Unleash Imagination – Shape the Future Conference George Washington University December 9, 2017

- 8:00 am **On-site registration opens**
Jack Morton Auditorium
- 8:30 am **Opening and Welcome**
Jack Morton Auditorium

Be prepared to enter our new world, imagine our future and prepare to lead.

Opening remarks – Walda Roseman, Chair, Arthur C. Clarke Foundation
Presentation of Lifetime Achievement Award by Dr. Erik Viirre, Associate Director of Arthur C. Clarke Center for Human Imagination
Clarke Lifetime Achievement Award and Opening Remarks - Stephen Hawking (video)

- 9:00 – 10:45 am **Young Leaders Program and the Imaginarium**
Marvin Center

Be the first to experience the Clarke Young Leaders program. Be creative – with a purpose. Learn magic. Stretch your imaginations. Play mind-controlled games. Interact with the frontiers of science, technology, art and design powered by your imaginations. Create something. Help shape a youth agenda for the future. Fun, reserved for the Young Leaders in the morning; open to everyone at lunch.

- 9:15 –10:45 am **Imagining the Future through Frontiers of Science, Technology and Arts**
Jack Morton Auditorium

We stand at the front end of sea changes in technology, science, engineering and design, and other advances that will define over the next 25 years the future of humans, the world we inhabit and the universe that opens before us. Are you ready?

Moderator: **Dr. Erik Viirre**, Associate Director, Clarke Center for Human Imagination and Professor of Neurosciences



Discussants:

Cori Lathan, CEO AnthroTronix, Co-Chair, WEF Global Future Council on Human Enhancement

Ellen Stofan, PhD, former Chief Scientist of NASA, Co-chair of the World Economic Forum Future of Space Technologies Council

Sheldon Brown, Director of Clarke Center for Human Imagination, John D. and Catherine T. MacArthur Foundation Endowed Chair in Digital Media and Learning

10:45 – 11:15 am

Break

11:15 am --12:15 pm

Intergenerational Forum – Reimagining Leadership – The Power of Intergenerational Collaboration in Shaping Tomorrow

Jack Morton Auditorium

We know that younger generations, who know a world where interaction with AI, as one example, is a natural extension of their lives. Their experience differs for those who may be just a bit older. We can expect these younger generations to drive technical, social, commercial and policy developments in the future. Adults lack their world view; whereas the young people are just beginning on their paths to knowledge and experience. Each therefore has something useful to offer the other. Join us for a discussion between some of today's accomplished solution-seekers and some imaginative young people who ideas about the future they seek. What will the leaders of 2042 wish that today's leaders had effectively addressed? What might be that path forward?

Moderator: **Anna Rothschild**, The Washington Post on-air host and editor for health and science, creator of “Gross Science” (YouTube)

Discussants:

Bran Ferren, Co-Founder, Co-Chairman and Chief Creative Officer and Co-founder of Applied Minds, former President of Walt Disney Imagineering Research and Development

Rachel Goslins, Director of Arts and Industry Museum, Smithsonian Institute

Ellen Stofan, PhD, former Chief Scientist of NASA, Co-chair of the World Economic Forum Future of Space Technologies Council

Three young leaders - TBD

12:15 – 1:15 pm

Lunch, Networking and Fun for All in Imaginarium
Continental and Grand Ballroom, Marvin Center



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1:05 – 1:15 pm

Young Leaders Video Challenge Awards
Grand Ballroom, Marvin Center

1:30 – 3:00 pm

***Clarke Conversation on Imagination: Reimagining
Imagination and its Power to Shape the Future***
Jack Morton Auditorium

What is “imagination” and its relevance to our ability to shape our future? Why is there an urgency to our understanding and embracing it? Imagination is not a single phenomenon but captures a range of creative responses to human experiences. As we confront challenges complex and global in scope, a number of solution seekers today are using imagination as a critical tool to help us understand, envision, and choose our future. This Conversation is bringing together prominent and creative leaders from the worlds of education, the arts, science, science fiction and other domains to discuss the role of imaginative thinking, or the lack thereof, in education and other key institutions and organizations in setting our future directions; the potential consequences as we address a challenging future; and an exchange of views about how imagination can be effectively embraced as a critical decision-making tool to be applied by individuals, organizations, and communities.

Moderator: **Sheldon Brown**, Director Arthur C. Clarke Center for Human Imagination, MacArthur Foundation Endowed Chair of Digital Media and Learning

Discussants:

Sir Kenneth Robinson*, Author, speaker and advisor on education in the arts

Bran Ferren, Co-Founder, Co-Chairman and Chief Creative Officer and Co-founder of Applied Minds

Kim Stanley Robinson, Author of science fiction, including the Mars trilogy

3:00 – 3:15 pm

Break

3:15 – 4:45 pm

***Clarke Conversation on Imagination: Reimagining the
Future for Humans in an Advanced AI World***
Jack Morton Auditorium

Our lives are increasingly dependent upon “smart” systems, and smart technology, whether AI, genetic engineering and other advanced technology. We are at the front end of a sea change in how AI and other advanced technologies will transform our lives and our world for good or ill. They will alter our health and life expectancy, our lifestyles, our jobs, our security, societal divides, the environment, our relationship with our universe and, most fundamentally, how we define ourselves and our value as humans. Are we adequately preparing to lead this change, or do we risk falling victim to it? Can we marshal the imaginative leadership and decision-making essential to our future? What role does or should education and training play in efforts to assess



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and shape these changes underway? How do we prepare for this transformation in human experience when we live in the midst of intelligent networks that affect what we see, how we know, and how we relate to each other and the world? How might imagination help us understand and steer this emerging future?

Moderator: **Brian Fung**, Technology reporter for The Washington Post

Discussants:

Vint Cerf, Google Chief Internet Evangelist, one of the “fathers of the Internet”

Dr. Ian Wickersham, MIT Principal Investigator for Genetic Neuroengineering Group and Director of the Wickersham Lab

Dava J. Newman, Former Deputy Administrator of NASA, Apollo Program Professor of Aeronautics and Astronautics and Engineering Systems at MIT

4:45 – 5:00 pm

Closing

Walda Roseman, Chair, Arthur C Clarke Foundation
Jack Morton Auditorium

**Arthur C. Clarke Awards Ceremony
and
Clarke Centenary Celebration Dinner**

5:15 – 6:15 pm

Centenary Reception

Continental Room, Marvin Center

6:15 – 9:00 pm

Centenary Dinner

Grand Ballroom, Marvin Center

Arthur C. Clarke Awards

Lifetime Achievement Award

Stephen Hawking (by video), PhD,

Theoretical physicist, cosmologist, author and
Cambridge professor

Innovator Award

John Hendricks, Founder and former

Chairman of Discovery Communications,
Founder and Chairman of CuriosityStream

Award for Imagination in Service to Society



Kim Stanley Robinson, Author of
science fiction, including the Mars trilogy

Arthur C. Clarke Centenary Celebration
Musical Tribute to Arthur Clarke by Yo-Yo Ma
(video)
Birthday toast and cake

* Invited