



UNLEASH
IMAGINATION.
**SHAPE THE
FUTURE.**

PROGRAM

Unleash Imagination – Shape the Future Conference

George Washington University

December 9, 2017

8:00 am **Sign In Pre-registrants**
On-site Registration (if space is available)
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.

Welcome: **Walda Roseman**, Chair, Arthur C. Clarke Foundation

Presentation of Lifetime Achievement Award: **Dr. Erik Viirre**, Associate Director, Arthur C. Clarke Center for Human Imagination

Clarke Lifetime Achievement Award and Opening Remarks: **Stephen Hawking** (video)

9:00 – 11:00 am **Young Leaders Program and the Imaginarium**
Marvin Center, Grand Ballroom

Be the first to experience the Clarke Young Leaders program. Build robots. Speak with HAL 9000, an advanced AI force from “2001: A Space Odyssey.” Exercise your art talents; stretch your imaginations with mind-control games; visit deep space. Interact with the frontiers of science, technology, art and design powered by your imaginations. How would you shape a future that benefits others? Fun, reserved for the Young Leaders in the morning; open to everyone at lunch.

9:00 – 11:00 am **Imagining the Future through Frontiers of Science, Technology & Art**
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 & Professor of Neurosciences, UCSD

Discussants: **Professor Sheldon Brown**, Director, Clarke Center for Human Imagination, UCSD

Brian Keating, Associate Director, Arthur C. Clarke Center for Human Imagination, UCSD, Professor of Astrophysics

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

11:00 – 11:15 am **Break**



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11:15 --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 for science and technology, host of "Gross Science" (YouTube)

Discussants: **Bran Ferren**, Co-Founder, Co-Chairman and Chief Creative Officer, Applied Minds; former President, Walt Disney Imagineering Research and Development

Cady Coleman,* Chemist and former NASA astronaut

Rachel Goslins,* Director of Arts and Industry Museum, Smithsonian Institution

Three young leaders*

12:15 – 1:15 pm ***Lunch, Networking and Fun for All in Imaginarium***
Continental and Grand Ballrooms, Marvin Center

1:05 – 1:15 ***Youth 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.

*Invited to be confirmed



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

Discussants: **Susan Eisenhower**,* Chairman Emeritus of Eisenhower Institute, CEO and Chairman, the Eisenhower Group

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

Sir Kenneth Robinson,* Speaker and Advisor on education in the arts

Shelley Streeby, Author, Director, Clarion Science Fiction & Fantasy Writers' Workshop, Clarke Center for Human Imagination, UCSD

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 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 Writer, The Washington Post

Discussants: **Vint Cerf**, Chief Internet Evangelist, Google

Cady Coleman,* Chemist and former NASA astronaut

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

Dr. Ian Wickersham, Principal Investigator for Genetic Neuro-engineering Group and Director, Wickersham Lab, MIT

4:45 – 5:00 pm **Conference Closing**
Jack Morton Auditorium



**Clarke Centenary Reception & Celebration Dinner
&**

Arthur C. Clarke Awards Program

GWU, Marvin Center Ballrooms

5:00 – 6:00 pm	Centenary Reception
6:00 – 7:00 pm	Centenary Dinner
7:00 – 8:30 pm	Clarke Awards & Celebration

Lifetime Achievement Award – Stephen Hawking, Ph.D. (video), Theoretical Physicist, Cosmologist, Author and Cambridge University professor

Innovator Award – John Hendricks, Founder and former Chairman, Discovery Communications; Founder and Chairman, Curiosity Stream

Award for Imagination in Service to Society – Kim Stanley Robinson, Hugo and Nebula-award winning Author of science fiction, including the Mars Trilogy

Musical Tribute to Arthur Clarke by Yo-Yo Ma (video)

Birthday Toast and Cake

The entire Unleash Imagination Conference and Centenary Awards program will be streamed live via www.clarkefoundation.org

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