



UNLEASH
IMAGINATION.
**SHAPE THE
FUTURE.**

November 17, 2021

THE
ARTHUR C. CLARKE
FOUNDATION

clarkefoundation.org



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Program

Arthur C. Clarke Awards & Clarke Conversation

November 17, 2021

Maison Francaise – Embassy of France
4101 Reservoir Road, Washington, DC

- 5:00 p.m. Reception with Awardees for All Attendees
- 6:00 p.m. Sit-down Dinner for All Attendees
(table assigned at check-in)
- 7:15 p.m. All Move into Auditorium
- 7:30 p.m. **Awards Ceremony**
- 8:00 p.m. **Clarke Conversation on Imagination with Awardees**
Moderated by Steve Scully
“Fracturing the ‘box’ with fresh ideas for an ailing world”
- 9:00 p.m. **Silent Auction Results Announcement**
- 9:15 p.m. Dessert & Coffee Reception



The Foundation's mission is to promote, enable, and recognize the power of imagination to benefit humanity.

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Support Us

Arthur C. Clarke worried about, and had hopes for, the future of the Earth and its inhabitants. He believed in the power of imagination in partnership with empirical rigor. He foresaw that we have entered a period of major change, and with it, major challenges. To address them we need fresh, big ideas and bold action. He believed that “The only way of discovering the limits of the possible is to venture a little way past them into the impossible.”

“Unleash Imagination – Shape the Future” is premised on Arthur Clarke’s optimism that we can secure the future of humanity by promoting imaginative thinking and harnessing its power. Throughout this Centenary year and beyond, we will be launching programs in which we will try to answer the questions

- How can we tap the imagination and views of younger generations who will live with the results of the decisions and actions we do or don’t take today?
- What can we do to help the world’s youth turbocharge the power of their imaginations across multiple skills and perspectives?
- What can we do to inspire adults and institutions to nurture imaginative approaches to challenges both big and small?
- How do we direct this renaissance in imagination toward the challenges of the future.

Yet not every organization, and not every environment welcomes imagination as more than interesting, but not applicable to the challenge at hand. In promoting Sir Arthur’s legacy, the Foundation and its partners see imagination as:

- 1) the essential tool to address the complex, consequential, and thorny challenges humankind is facing,
- 2) the connective tissue between science and the arts,
- 3) central to the future of our planet.

We begin today to examine how to unleash the power of imagination.

www.clarkefoundation.org/donations/

The Sir Arthur Clarke Lifetime Achievement Award

for Exceptional Contributions as a Theoretical Physicist, Futurist, and Science Popularizer

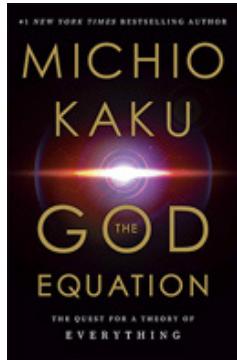


Dr. Michio Kaku is one of the world's most widely recognized figures in science today. He has written several international best sellers, and five New York Times Best-Sellers including his latest The God Equation: The Quest for the Theory of Everything and Future of Humanity, and The Future of the Mind.

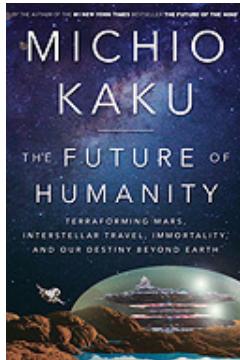
Dr. Kaku is the science correspondent for national CBS This Morning, and his weekly science radio show reaches 100 U.S. cities. He has also hosted numerous science specials on the Discovery Channel, Science Channel, and BBC-TV, and has appeared on the David Letterman Show, Good Morning America, Today Show, CBS Late Show with Stephen Colbert, HBO, Stephen Colbert Report, CNN, the History Channel, PBS-TV, National Geographic, and all the major news media.

He was recently chosen as "one of the most influential physicists in the world today" by Academic Influence. His goal is to complete Einstein's dream of a "theory of everything," to derive an equation, perhaps no more than one inch long, which will summarize all the physical laws of the universe.

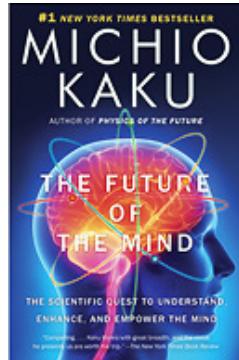
He is a professor of theoretical physics in the City College of New York and CUNY Graduate Center.



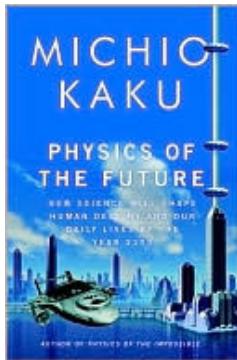
The God Equation: The Quest for a Theory of Everything



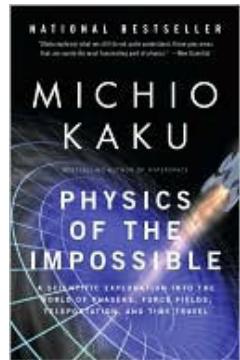
The Future of Humanity: Terraforming Mars, Interstellar Travel, Immortality, and Our Destiny Beyond Earth



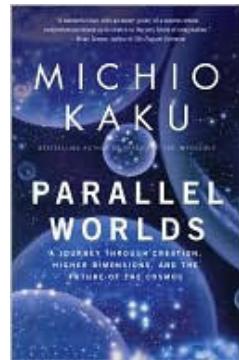
The Future of the Mind: The Scientific Quest to Understand, Enhance, and Empower the Mind



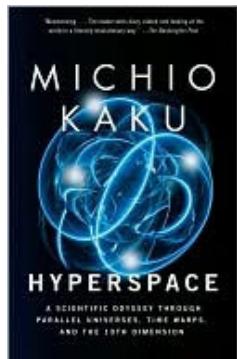
Physics of the Future: How Science Will Shape Human Destiny and Our Daily Lives by the Year 2100



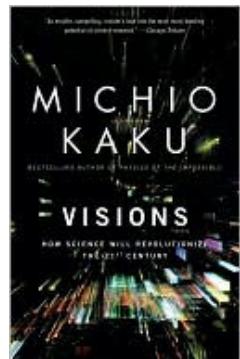
Physics of the Impossible: A Scientific Exploration into the World of Phasers, Force Fields, Teleportation, and Time Travel



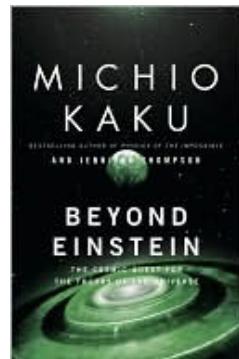
Parallel Worlds: A Journey Through Creation, Higher Dimensions, and the Future of the Cosmos



Hyperspace: A Scientific Odyssey Through Parallel Universes, Time Warps, and the Tenth Dimension



Visions: How Science Will Revolutionize the 21st Century and Beyond



Beyond Einstein: The Cosmic Quest for the Theory of the Universe

The Sir Arthur Clarke Innovator's Award

for Inspiring TV Programs that Demonstrate the Role of Science in Uncovering Nature's Wonders



NOVA is the most-watched prime time science series on U.S. television, as well as a multimedia, multiplatform enterprise, reaching more than 55 million Americans every year on TV and online. In its 48th season, with over 900 episodes aired on PBS, NOVA remains committed to telling in depth science stories that resonate with viewers of all ages and backgrounds including both science journalism and science communication. The program has been recognized with the industry's most prestigious awards, including 28 Emmys, 26 AAAS Kavli Science Journalism Awards, 9 George Foster Peabody Awards, and 12 Dupont Columbia Awards. NOVA tells stories that make complex science topics like quantum physics and chemistry accessible to a general audience. They celebrate new scientific discoveries, as well as stories that are centered at the intersection of science, society, and social justice.

Accepting on behalf of NOVA are Co-Executive Producers Julia Cort and Chris Schmidt.



Julia Cort

Co-Executive Producer NOVA

Julia Cort, together with Co-EP Chris Schmidt, oversees the long running PBS science series NOVA and is committed to making inclusive science documentaries that are accessible to all.

During her time with the series, she has contributed to more than one hundred films and miniseries, covering everything from quantum mechanics to genetic engineering to climate change.

Ms. Cort's work has been honored with the George Foster Peabody Award, the National Academies Keck Communication Award, the AAAS Science Journalism Award, the American Institute of Physics Science Writing Award, the Alfred I. duPont Columbia Award and the News & Documentary Emmy.



Chris Schmidt

Co-Executive Producer NOVA

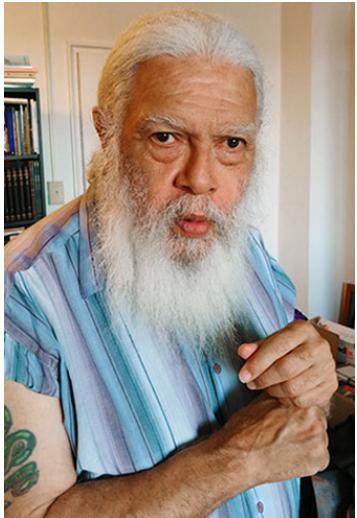
Chris Schmidt is an award-winning producer and director of documentaries and factual television series. Primarily focused on long form films, Chris oversees NOVA's development team in creating new multihour projects in collaboration with U.S. filmmakers and international co producers.

Since joining NOVA in 2012, he has developed and contributed to more than 100 groundbreaking films and series including The Planets, Black Hole Apocalypse, Great Math Mystery, Einstein's Quantum Riddle Eclipse Over America, Making North America, Hunting The Elements, Making Stuff, and Cyberwar Threat.

His work has received the prestigious Alfred I. DuPont Columbia University Award, the AAAS Gold Kavli Science Journalism award, the Cine Golden Eagle and many nominations for the News and Documentary Emmy Award.

The Sir Arthur Clarke Imagination in Service to Society Award

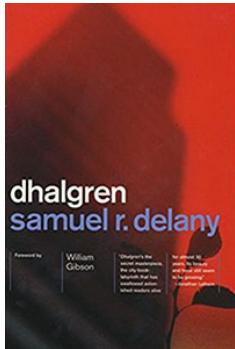
for Outstanding Contributions to Fiction, Criticism and Essays on Science Fiction, Literature and Society



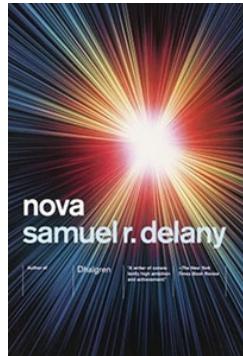
Samuel R. Delany, whom everyone calls Chip, is an award-winning writer of fiction, memoir, criticism and essays on science fiction, literature, sexuality, and society, and a former University professor. In 2016, he was inducted into the New York State Writers Hall of Fame. Mr. Delany is the author of Babel 17, Nova, Dhalgren, Dark Reflections, Atlantis: Three Tales, the Return to Nevèryon series, an autobiography, The Motion of Light in Water, and the paired essays Times Square Red/Times Square Blue. Dark Reflections won the Stonewall Book Award for 2008, and in 2015 he won the Nicolas Guillén Award for Philosophical Literature, and in 1997 the Kessler Award for LGBTQ Studies

Mr. Delany has won four Nebula Awards from the Science Fiction Writers of America, and two Hugo Awards from the World Science Fiction Convention. In 2013, he was made a Grand Master of Science Fiction, following in the steps of Asimov, Heinlein, and Le Guin.

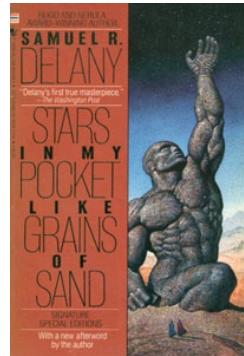
Not only does Chip have a broad range of published works, but he's widely recognized for his articulate and vivid writing style. In *The New York Times* story "In Praise of Samuel Delany," writer Jordy Rosenberg notes, "The emotional dynamism of Delany's sentences has been perhaps less acknowledged than his world-building, or the sweep of his vision. But when asked to speak about writing as a practice, Delany himself often turns to the art of sentences, and of how to imbue words with such "ekphrastic force" that they summon the material presence of an imagined world.



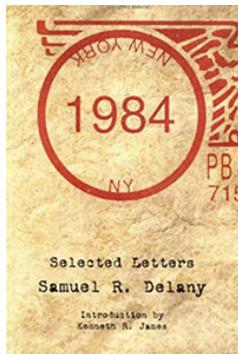
Dhalgren: Samuel Delany's most popular novel, and the most controversial science fiction novel of its decade.



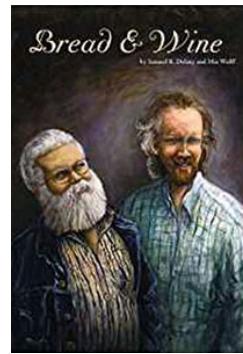
Nova: Chosen for Library of America's anthology, Great Science Fiction Novels of the 1960's



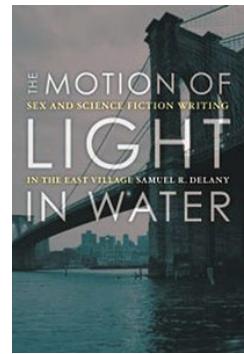
Stars in My Pocket Like Grains of Sand: A far-future look at an interstellar society



1984: Selected Letters, with an introduction by Kenneth R. James



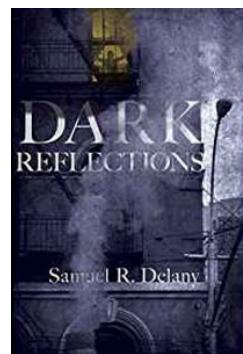
Bread & Wine: a graphic novel



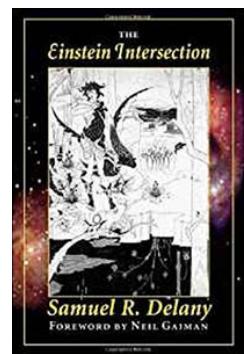
Motion of Light in Water: Sex and Science Fiction Writing in the East Village



Babel-17: Winner of the Nebula Award for Best Science Fiction Novel of Its Year.



Dark Reflections: Winner of the Stonewall Book Award.



The Einstein Intersection: Winner of the Nebula Award for Best Science Fiction Novel of Its Year.

2021 Clarke Conversation on Imagination

Fracturing the “box” with fresh ideas for an ailing world

If we close our eyes and time travel perhaps as far back as our childhoods, most of us can remember what we thought was our first big idea. It grew from our imagination, our natural creativity, and our curiosity about and engagement in the world. How very exciting! Now, if we travel forward a bit, many of us can also recall the first time we were told that that idea might be lovely, even brilliant, but we couldn't do it. It was too messy, too complicated, too risky, a diversion from what we were supposed to do, or some other version of "no." We all know that not all new ideas are good ideas. Some are downright bad or dangerous. However, think of how much better we might be as individuals and societies had imaginative and creative thinking and actions been encouraged in each stage of our lives, at home, in school, in the workplace, in our cultural DNA. Yet we can see that too often the opposite is true. Our hyper-focus on achievement, while it has certain benefits, also leaves little time and individual and institutional willingness to vary off of preset paths with fresh thinking and creative action.

The 2021 Clarke awardees, extraordinary achievers in quite diverse fields, have allowed their imaginations to link to their talents and expertise to push boundaries of how we humans understand our universe, Planet Earth, and how we can create a better world for those of us who inhabit it. Arthur Clarke challenged us, noting that "The only way of discovering the limits of the possible is to venture a little way past them into the impossible." Conversation moderator, Steve Scully, will engage the awardees on what challenges they view as the ones that loom largest for society, ones that if not adequately and creatively addressed will burden our next generations. What are they, are we prepared as policy-makers, corporations, and individuals to harness opportunities and mitigate harm? How might we go about changing the value that society places on fostering greater imaginative achievement in our education, businesses and institutions, government and among the person on the street. We hear a lot about advancing "innovation". Are we going about it the right way? What are the roles that scientists, writers and producers, and others play that they are not yet doing.

During a moment in our history where the political divisions are sharp, this conversation will allow you to take a step back, reflect, for a creative/imaginative moment of contemplation and promise. We will have a call for questions and will invite young people to join us in ensuring that their questions are raised. We invite you all to be prepared to raise your issues.

2021 Clarke Conversation Moderator



Steve Scully, former host and producer for the morning call-in show Washington Journal, as well as The Weekly, C-SPAN's podcast. Scully served on the board of the White House Correspondents Association for nine years, including as president from 2006 to 2007. Earlier this year In Scully became vice president of communications at the Bipartisan Policy Center.

Walda Roseman & Stacy Swann
congratulate each of the 2021 Clarke Awardees,
and look forward to tonight's
Clarke Conversation on Imagination.

Unleash Imagination: Shape the Future
embodies the Foundation's mission
to promote the essential role imagination
plays in critical decision-making
among and across generations.

Joseph Bravman, Timothy Logue,
Michael Nelson, Ruth Pritchard-Kelly
& Charles Schott

Applaud the 2021 Arthur C. Clarke Awardees

Samuel Delany

Michio Kaku

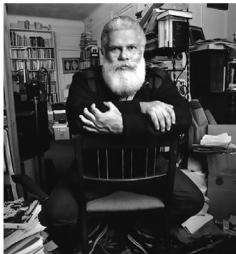
The Producers of NOVA

Penguin
Random
House

We Proudly Join In Honoring Our Authors



Michio Kaku
Photo Credit: AsianBoston/Rob Klein



Samuel Delany

Michio Kaku & Samuel Delany

Whose Writing
Unleashes Our Imagination



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Random House
AUDIO PUBLISHING



RANDOM
HOUSE
RANDOM HOUSE
CHILDREN'S BOOKS



Penguin
Random House
PENGUIN YOUNG READERS

Congratulations to the 2021 Arthur C. Clarke Awardees!

When you unleash your imagination, you can
shape the future and even connect the entire world



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*Optimal Satcom congratulates the
2021 Arthur C. Clarke Awardees*

Dr. Michio Kaku

Samuel R. Delany

NOVA

Why Unleash Imagination?

The Arthur C. Clarke Foundation and its partners, the Arthur C. Clarke Center for Human Imagination of UCSD and KID Museum, launched “Unleash Imagination—Shape the Future” in 2017 to foster imaginative young leaders and an educational and workplace environment that promotes fresh ideas for addressing some of society’s greatest threats and opportunities. Sir Arthur understood that humankind’s most powerful tool to shape its future is its imagination. His own prolific work in science fiction and science fact seamlessly melded cognitive and creative elements together. Unleash Imagination explores the partnership between imagination and empiricism to create a better world. Insights gained through the first three years of Unleash Imagination, 2017–2020, will help the Clarke Foundation and its partners build dynamic intergenerational collaboration to promote ingenuity in how we lead, rather than trail, key challenges facing Planet Earth and its inhabitants.

A centerpiece of Unleash Imagination is its intergenerational dimension. All generations have something to teach one another and contribute to the future. Children have naturally rich imaginations but have yet to acquire expertise and experience. Adults have expertise and experience but can be unwilling to accept the time and risks involved in testing fresh ideas. Intergenerational collaboration strengthens critical decision-making and develops a pipeline of innovative talent and solution seekers.



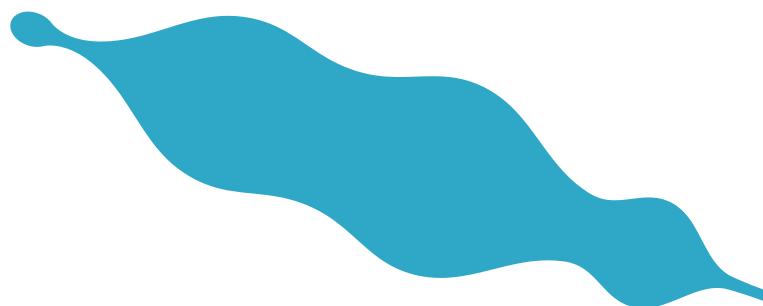
Unleash Imagination – Shape the Future

The Clarke Foundation's signature program Unleash Imagination: Shape the Future, our intergenerational program aimed at stimulating renewed attention to imagination as a critical tool in helping humanity actively choose its future. This future, already with us, challenges us to reimagine a range of global and historic complexities — the Earth's environment, the spread of artificial intelligence and smart electronic networks, the quest for off-Earth habitable planets, the very idea of what it means to be human, and for all to be treated with dignity and respect. We look to inspire leaders, workers, educators, and citizens to see imagination as a critical tool for preparing organizations, communities, governments, and our fellow humans around the world

Unleash Imagination programs build upon the Arthur C. Clarke Awards, which we created years ago and give us an opportunity to recognize and hear from extraordinary individuals and organizations whose imaginative endeavors have paved new paths.

A heightened appreciation for human imagination is now more urgent than ever. We see more clearly the repercussions of our failure of imagination to anticipate and prepare for difficult times, as well as to articulate the values we wish to promote for humanity's future. We are witnessing in these difficult times enormous creativity and innovation emerging from companies, non-profits and individuals of all ages. Such creativity reinforces the importance of imagination in highlighting the complexity of the problems before us, anticipating future challenges, and applying it as an essential tool for creating solutions.

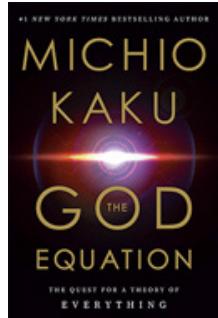
More details can be found at www.clarkefoundation.org.



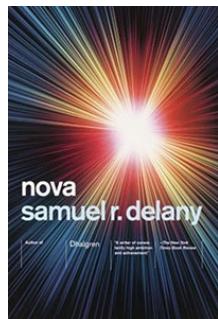
2021 Book Silent Auction

Seven autographed sets which include copies of:

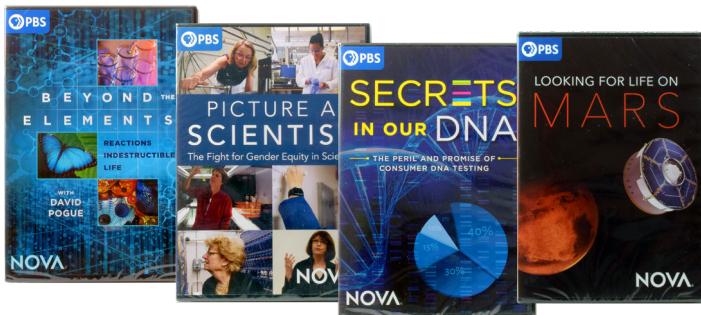
The God Equation: The Quest for a Theory of Everything signed by Michio Kaku



Nova signed by Samuel R. Delany



NOVA DVDs which include 4 films and almost 7 hours from the 2020/2021 NOVA seasons: Beyond the Elements, Picture a Scientist, Secrets in our DNA, and Looking for Life on Mars signed by co-executive producers Julia Cort and Chris Schmidt.



Bids will be collected after dinner and winners will be announced at the end of the evening.

All funds paid above the \$125 retail value of the materials are fully tax deductible. ACCF is a 501(c)3 not-for-profit organization.

Unleash Imagination – Shape the Future
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The Honorable Diana L. Dougan



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Cosmologist Stephen Hawking,
recipient of the Clarke
Lifetime Achievement Award
in December 2017

"Arthur Clarke said that 'the only way to understand the limits of the possible is to venture a little way past them into the impossible.' Keep believing in the linkages between the possible and the impossible! Even better, build your lives around that pairing of the two! But solutions to our planet's perils demand more than imagination. Creativity must drive action. We must move from intentions to impact. That goes beyond creating brilliant technology. It goes beyond policy. It calls for the purely human qualities of willingness, humility, and high purpose toward a greater good."

"Isn't it amazing what we can accomplish with fair warning! Either we can imagine a different outcome and rethink the paths that we are taking in education, corporate development, ecology, science, policy, the arts, compassion endeavors, food supply, clean water, energy, and so on into every tentacle of our lives, with the result of shaping a healthy future. Or, we can stay on the paths we're on. And then what?"

Stephen Hawking, December 2017