



National Creativity Network

## ARTICLES OF INTEREST

February 8, 2019

### QUOTE(S) OF THE WEEK

"Science is about knowing; engineering is about doing." – Henry Petroski

"Science deals exclusively with things as they are in themselves; and art exclusively with things as they affect the human sense and human soul." – John Ruskin

"To explain all nature is too difficult a task for any one man or even for any one age. 'Tis much better to do a little with certainty, and leave the rest for others that come after you, than to explain all things." – Isaac Newton

"Step out of the history that is holding you back. Step into the new story you are willing to create." – Oprah Winfrey

"Science makes no pretension to eternal truth or absolute truth; some of its rivals do. That science is in some respects inhuman may be the secret of its success in alleviating human misery and mitigating human stupidity." – Eric Temple Bell

"A writer should have the precision of a poet and the imagination of a scientist." – Vladimir Nabokov

**Quotes on Creativity and Innovation: Inspirational & Best Collection**

*techpikk.com*

### VIDEO(S) OF THE WEEK

**Astrophysicist Mercedes Lopez-Morales Is Grooming the Next Generation of Planet Hunters**

*Innovation | Smithsonian*

**NEW Black Creativity Program Returns to Museum of Science and Industry**

*Chicago News | WTTW*

Through February 24

**Business Space for Women Fosters Creativity, Cooperation**

*VOA*

**2019 Super Bowl commercials: Watch all the ads your co-workers and friends will be talking about Monday**

*CBSsports.com*

Also

**Super Bowl Commercials 2019: Brands Play It Safe and Look to the Future**

*The New York Times*

**Wide-Mouthed Heads Consume and Absorb a Range of Mutable Forms in the Short Film “Distortion”**

*Colossal*

**Pixar’s New Short Film For Adults Tackles Sexism In The Workplace**

*DesignTaxi.com*

**An Extraordinary Time-Lapse Captures the Microscopic Development of a Single Cell into a Newt**

*Colossal*

**FEATURED EVENTS/OPPORTUNITIES**

**NEW Black Creativity Program Returns to Museum of Science and Industry**

*Chicago News | WTTW*

**Through February 24**

**How to do Creative Placemaking**

*Local Initiatives Support Corporation*

**Through April 10**

**NEW Orlando Science Center: Aviation exhibit gives imagination wings**

*Orlando Sentinel*

**Through May 2**

**The Top Innovation Conferences of 2019**

*Forest Giant*

**Through December 2019**

**NEW Students Encouraged to Share Video Math Pitches**

*THE Journal*

**Deadline: February 27**

**NEW Launch of the Oklahoma Entrepreneur Mentoring Program**

*Creative Oklahoma*

**February 27**

**Clemson CollabFest celebrates creativity with keynotes from SwissMiss designer Tina Roth Eisenberg**

*Clemson University News and Stories*

**February 27 – March 2**

**Play Make Learn 2019 Submission**

*Play Make Learn*

**Deadline: March 1**

**UN Women urges leaders and advocates to “Think Equal, Build Smart, Innovate for Change” on International Women’s Day**

*ReliefWeb*

**March 8**

**SXSW Reveals Innovative Art Installations**

*American INNO*

**March 8 - 16**

**Become a LEGO® Education Master Educator**

*LEGO® Education*

**Deadline: March 11**

**Doodle for Google**

*Google*

**Deadline: March 18**

**NEW Water Industry Workshop and Procurement Seminar with the World Bank**

*The Water Council*

**March 21**

**Innovation By Design Awards**

*Fast Company*

**Deadline: March 22**

**Navigating Now and Beyond**

*Florida Creativity Conference*

**March 29 – 31, 2019**

**Expressive Therapies Summit 2017 — Los Angeles**

*Expressive Media and UCLA Arts & Healing*

**March 28 - 31**

**Nominations sought for National Medal of Technology and Innovation**

*USPTO*

**Deadline: April 5**

**2019 Oklahoma Creativity Ambassadors Gala**

*Creative Oklahoma*

**April 8**

**Idea Week 2019 includes Bill Nye the Science Guy, Wired co-founder**

*ABC57.com*

**April 8 – 13**

**Milton Fisher Scholarship for Innovation and Creativity**

*The Community Foundation for Greater New Haven*

**Deadline: May 1**

**2019 ENCATC-AAAE International Panel**

*ENCATC*

**May 30**

**NSF grant program to pay universities to hire quantum researchers**

*Edscoop*

**July 1**

**Creativity Conference**

*Southern Oregon University*

**July 11 - 14**

**CreativeMornings | a monthly breakfast lecture series**

*CreativeMornings*

**Various**

**Interactive Map | Festivals**

*Science Festival Alliance*

**Various**

**ARTICLES OF INTEREST**

**What We Can Expect From Science In 2019**

*Imagination Matters*

**A New Generation of Black Founders Is Rising in Atlanta--and the Startup World Is Taking Notice**

*Diversity in STEAM Magazine*

**Dieter Rams's 10 Principles of Design, illustrated by his ingenious products**

*Fast Company*

**How China Is Mastering Computer Chips**

*Fast Forward | OZY*

**How The Son of Black IBM Engineers From the '60s Became a Tech CEO, Who Helped Fix Healthcare.gov**

*POCIT | People of Color in Tech*

**REDEF ORIGINAL: Fortnite Is the Future, but Probably Not for the Reasons You Think**  
*Redef*

**Sparking Creativity: What It Takes To Make Magic Happen**  
*Forbes*

**Why it pays to have Gen Z women on business teams**  
*Opinion | Fox Business*

**Q&A: How female entrepreneurs are developing confidence in the tech world**  
*SiliconANGLE*

**National Academy of Engineering elects 86 members and 18 foreign members**  
*EurekaAlert! Science News*

**Video: Next-Generation Engineering Education in the Aerospace Capital of the World**  
*ENGINEERING.com*

**MSU Broad calling on community to transform downtown Art Lab**  
*The State News | Michigan State News*

**Canada needs to commercialize AI, not just do research, industry leaders say**  
*CBC News*

**Scientists Claim to Find “Neurological Signature” of Consciousness**  
*Futurism*

**Brain Patterns Help Separate Consciousness from Unconsciousness**  
*Technology Networks*

**Google says goodbye to Louisville**  
*Louisville Business First*

**Will An All-Girls School Help Your Daughter Do Better In Math?**  
*Forbes*

**Pre-K and Kindergarten Math Activities for Families**  
*MIND Research*

**Seeing tangible outcomes builds deeper student STEM engagement**  
*Education Dive*

**All I Really Need to Know I Learned from Playing Video Games**  
*EdSurge News*

**Museum air can make you feel better. Here's how to get it at home.**  
*Popular Science*

**Explainer: What is a quantum computer?**

*MIT Technology Review*

**Beyond Beer, Bread and Bicycles: The Industrial Return To the City**

*Newgeography.com*

**ANSWER: YOUR NUMBER IS————**

*Imagineer7's Weblog*

**Don't Expect Mayors to End the Tax-Incentive Arms Race**

*CityLab*

**What if you pretended, just for a little while...**

*Seth's Blog*

**Stanford researchers dismantle Mark Zuckerberg's "meaningful interactions" argument**

*Fast Company*

**Tech monopolies are a cancer for American capitalism**

*VentureBeat*

**Alberta's New World of Innovation Hubs**

*Alberta Venture*

**8 Things to Do Before You Run a Business Experiment**

*Harvard Business Review*

**Opportunities in Primary Care Entrepreneurship**

*Innovation Excellence*

**The Semmelweis Myth and Why It's Not Really True**

*Innovation Excellence*

**Apple gives developers 24 hours to remove screen recording code from their apps**

*Fast Company*

**7 ways to gauge emotional intelligence through body language**

*Fast Company*

**Early Facebook designer: "Sometimes you don't know something's wrong until it's too late"**

*Fast Company*

**Dear Dawn: How a NASA robot messed up our science fiction**

*National Geographic*

**Dear Dawn: 'The Expanse' creators pay tribute to NASA's Ceres mission**

*National Geographic*

**Astronomers just updated the Milky Way galaxy's ultimate fate**

*National Geographic*

**Artist Hassan Hajjaj is selling his portraits of everyday heroes to support LA's Skid Row.**

*GOOD*

**A Contemporary Take on "Byrne's Euclid" Brings Geometry to Life as a Colorful Poster**

*Colossal*

**Lavish Portraits of Missouri Citizens by Kehinde Wiley**

*Colossal*

**Can a philosopher explain reality and make-believe to a child?**

*Aeon Essays*

**Families advised to ban screens at bedtime**

*BBC News*

**Capitalism's New Clothes | Evgeny Morozov**

*The Baffler*

**Taking Note: Among Artists, Multidisciplinary Practice May Be the Norm—Not the Exception**

National Endowment for the Arts

**Photographer Introduces Himself to His Childhood Self in Series of Hilarious Photoshopped Images**

*Colossal*

**Foreign language classes becoming more scarce**

*The Conversation*

**Patents in the Crosshairs During House Drug Pricing Debate**

*IP Watchdog*

**These incredible Canada Goose parkas were created by Inuit designers**

*Fast Company*

**Honeybees That Solve Math Problems Challenge Supremacy of Human Brains**

*Inverse*

**Bill Gates: Lessons in Innovation From Leonardo da Vinci**

*Time*

**San Francisco schools have an answer to tech's diversity problem**

*Mashable*

**University of California finally allows computer science to count towards admissions science requirement**

*Code.org | Medium*

**Privacy and Individualization Are Key to Next Era of Innovation**

*Fortune*

**Can Business Drive Meaning And Meaningfulness In The Workplace?**

*Forbes*

**Ottawa 'bending over backward' for foreign tech giants at the expense of homegrown stars, insiders say**

*Financial Post*

**Largest investment ever from Calgary's innovation fund goes to U of C project**

*CBC News*

**Smart drugs, smart headbands, and the future of the brain**

*Mashable*

**In flickering brain signals, scientists may detect consciousness**

*STAT*

**Lasers could send messages right to a listener's ear**

*Science News*

**9 everyday things astronauts can't do in space**

*Business Insider*

**Planetary Smash-Up May Have Produced This Distant Iron Exoplanet**

*Smart News | Smithsonian*

**How the Grand Canyon Transformed From a 'Valueless' Place to a National Park**

*Travel | Smithsonian*

**From Copycat to Innovator: How China Plans to Win the Transport Race**

*Fast Forward | OZY*

**Neuroscientists Just Found a Way to Image the Brain 1,000 Times Faster Than Ever Before**

*Singularity Hub*

**The Sum-Product Problem Shows How Addition and Multiplication Constrain Each Other**

*Quanta Magazine*

**'Sesame Street' Turns 50: How a Children's Show Revolutionized Television**

*Hollywood Reporter*

**This is how AI bias really happens—and why it's so hard to fix**

*MIT Technology Review*



**First Principles: The Building Blocks of True Knowledge**

*Farnam Street*

**Cultivating A Culture of Curiosity to Drive More Innovation**

*Innovation Excellence*

**There are now 5 generations in the workforce—can they work together?**

*Fast Company*

**How the rise in streaming is creating more opportunities for young people in Hollywood**

*Fast Company*

**iPhone interface designer Imran Chaudhri's most important tool is an old-school notebook**

*Fast Company*

**4 Tips for Addressing—and Even Embracing—Tension**

*IDEO Blog*

**The Value of Mind Wandering in Solving Difficult Problems**

*Freedom to Learn | Psychology Today*

**Four Leadership Types and Their Attributes**

*Innovation You | Psychology Today*

**How rituals can protect life with a petal and a prayer**

*Aeon Essays*

**Screen dreams: cinemas of the world – in pictures**

*Art and design | The Guardian*

**Met unveils its AI experiment with Microsoft and MIT**

*The Art Newspaper*

**This clothing factory cuts waste by machine-knitting sweaters on demand**

*Fast Company*

**New Chicago Buildings Combine Libraries with Public Housing**

*Chicago News | WTTW*

**For Generation Z the digital experience is the human experience**

*WP Engine - Ad Age*

**Learn How to Expand Your Imagination to Produce Novel and Original Ideas**

*Imagineer7's Weblog*

**Why measles is back, in five charts**

*Popular Science*

**Schulich Leader credits scholarship for helping ignite her love of the innovation sector**

*UToday | University of Calgary*

**Comparative thinking: Are analogies the engine of innovation?**

*ZDNet*

**JACK quartet receives Fellowship to explore music and neuroscience**

*News | The Strad*

**Caltech Professor to Be Honored With 3 Other “Immigrant Scientists”**

*Pasadena Now*

**Oracle Bronto reveals what draws women to brick-and-mortar shopping**

*Bizwomen*

**US Dept of Education Prioritizes Computer Science Funding**

*Code.org | Medium*

**NSF science research funds are flowing again after the shutdown**

*Science News*

**Scientists Find a Possible Link Between Gut Bacteria and Depression**

*Science | Smithsonian*

**Four Craft Artists Use Their Medium to Tell the Story of Our Times**

*At the Smithsonian | Smithsonian*

**Diez artistas boricuas reciben becas de NALAC | Ten Puerto Rican Artists receive NALAC Grants**

*National Association of Latino Arts and Culture*

**The United States Of Venture Capital: The Most Active VC In Each State**

*CB Insights*

**Ten trends shaping the Internet of Things business landscape**

*McKinsey*

**Two Positive Ways to Look at Change**

*The Principal of Change*

**The New York Times writes obituaries of prominent black figures it previously 'Overlooked'**

*AdAge*

**Are you being manipulated?**

*Seth's Blog*

**Remembering Emily Levine**

*TED Blog*

**Most U.S. companies say they are planning to transition to a circular economy**  
*Fast Company*

**Simple Analogy to Demystify AI**  
*Innovation Excellence*

**Ten Questions to Answer Before Using Social Tools for Product Innovation**  
*Innovation Excellence*

**Spotify is embracing podcasting with the purchase of two podcast giants**  
*Fast Company*

**Over 1,500 e-scooter crash injuries have happened since 2017**  
*Fast Company*

**It's not just Google or Facebook: The freezer aisle is ad targeting you now**  
*Fast Company*

**These companies are making sure more women get promoted to management**  
*Fast Company*

**A Cartography Nerd's Guide to Mapping 100 Years of History**  
*IDEO Blog*

**15 years ago, Google's CEO had a brilliant response to a tricky interview question – and it helped him get hired**  
*Diversity In STEAM Magazine*

**Journey to Mount Tamalpais: Lebanese-American Poet, Painter, and Philosopher Etel Adnan on Time, Self, Impermanence, and Transcendence**  
*Brain Pickings*

**Wooden Credenzas and Cabinets Elegantly Open into Surprising Silhouettes**  
*Colossal*

**Dream Worlds Imagined in Contorted Clay Portraits by Johnson Tsang**  
*Colossal*

**Historians irked by musical 'Hamilton' escalate their duel**  
*StarTribune.com, AP*

**With Amazon arrival, D.C.'s booming real estate market will get only tighter. Will small theaters be pushed out?**  
*The Washington Post*

**This scientist-designer makes awesome posters for university lectures**  
*Fast Company*

**MoMA to Close, Then Open Doors to More Expansive View of Art**  
*The New York Times*

**Museums: Nonprofits in the Eye of the Perfect Narrative Storm**

*Non Profit News | Nonprofit Quarterly*

**The Newseum was a grand tribute to the power of journalism. Here's how it failed.**

*The Washington Post*

**Digital Media: What Went Wrong**

*The New York Times*

**Jill Lepore On Why We Need a New American National Story**

*Foreign Affairs*

**Why Millennials Feel Burnt Out On Life**

*Wisconsin Public Radio*

**Ursula K. Le Guin Was a Creator of Worlds**

*National Endowment for the Humanities (NEH)*

**8 Paths When You're Stuck Creatively**

*The Brainzooming Group*

**The north magnetic pole just changed. Here's what that means.**

*National Geographic*

Also

**The North Magnetic Pole's Mysterious Journey Across the Arctic**

*The New York Times*

**Art from the cutting edge of science**

*Environmental Factor | NIEHS*

**Report: California's creative economy generates \$604.9 billion annually, but wage gaps persist**

*Daily News*

**Tough love: How to make Canada competitive on the global stage**

*Financial Post*

**The irony of innovation: Don't get stuck in the messy middle**

*Now-Atlantic | News | The Chronicle Herald*

**Women's Brains Age More Slowly Than Men's**

*Shots - Health News | NPR*

**Targeting Certain Brain Cells Can Switch Off Pain**

*Scientific American*

**15 Moments That Defined Facebook's First 15 Years**

*WIRED*

**The Way Superman Picks Up a Building Is a Physics Travesty**  
*WIRED*

**Women Remaking the Music Industry**  
*Pacific Standard*

**Cleaner Classrooms and Rising Scores: With Tighter Oversight, Head Start Shows Gains**  
*The New York Times*

**Opinion | China's Online Censorship Stifles Trade, Too**  
*The New York Times*

**4 Types of Innovation: how to turn innovative thinking into innovative doing**  
*Design Farm Collective*

**How to Build Rural Innovation Ecosystems**  
*Innovation Excellence*

**Sesame Street: Meet Lily, The First Homeless Muppet**  
*Imagination Matters*

**Coda, which wants to turn docs into apps, is now generally available**  
*Fast Company*

**GuideStar and the Foundation Center are merging to form the definitive nonprofit transparency organization**  
*Fast Company*

**The hidden "black tax" that some professionals of color struggle with**  
*Fast Company*

**Technology alone won't solve your company's diversity problems**  
*Fast Company*

**Your online shopping has a startling hidden cost**  
*Fast Company*

**Deadly earthquake traveled at 'supersonic' speeds—why that matters**  
*National Geographic*

**Recycled Shirts and Ski Equipment Take on Sculptural Dimensions in Layered Works by Kaarina Kaikkonen**  
*Colossal*

**The Decline of Historical Thinking**  
*The New Yorker*

**Opinion | How Silicon Valley Puts the 'Con' in Consent**  
*The New York Times*

**Is Netflix really a foreign colonizer? CBC president Catherine Tait might not be wrong**

*The Star*

**Why Burger King went with Andy Warhol for its Super Bowl ad**

*CMO Strategy - Ad Age*

**Meet the Guardian of Grammar Who Wants to Help You Be a Better Writer**

*The New York Times*

**Opinion | Let Children Get Bored Again**

*The New York Times*

**Self-driving cars will never be moral. Let's stop pretending otherwise**

*Fast Company*

**The Art of Jazz**

*Sam Chaltain*

**Spark Creativity in Your Team by Question-Storming Before Problem-Solving**

*Creativity at Work*

**Remarks by Director Iancu at the Artificial Intelligence: Intellectual Property Considerations event**

*USPTO*

**The Patents Behind Pasta Shapes**

*USPTO | Smithsonian*

**An Interview With Gary Shapiro On Driving Innovation And Your Ninja Future**

*Forbes*

**Houston innovation ecosystem celebrated across incubators**

*TMC News*

**"Reverse Innovation" Could Save Lives. Why Aren't We Embracing It?**

*The New Yorker*

**Exoplanets Brought to Life Using Scientific Data and Creativity**

*Big Island Now*

**Are Flying Cars Just Science Fiction? Urban Air Mobility Could Solve Some of Transportation's Most Pressing Problems**

*Newsweek*

**STEMinist mystique: Fashion show touts women in STEM fields in style**

*Toledo Blade*

**NJ universities partner for STEM education programs**

*NJBIZ*

**Q&A: Innovations shaping Canadian industry (Includes interview)**

*Digital Journal*

**Opinion | Colleges and polytechnics key to business innovation**

*TheSpec.com*

**Canada's Silicon Valley consul general opens up about techlash, Sidewalk Labs**

*Prince George Citizen*

**Op-ed: Black tech matters**

*The Varsity | University of Toronto*

**This Is How Music Is Maximizing Your Productivity, According to Science**

*Thrive Global*

**Does Your Birth Order Affect How Creative You Are? Psychologists Have Some Surprising New Answers**

*artnet News*

**AI can make art now, but artists aren't afraid**

*The Verge*

**Now That Schools Are Promoting Broader Definitions of Success, How Do We Measure Progress?**

*Forbes*

**Finding Lena Forsen, the Patron Saint of JPEGs**

*WIRED*

**How AI Will Turn Us All Into Filmmakers**

*WIRED*

**The History of Women in Sci-Fi Isn't What You Think**

*WIRED*

**Apple, the iPhone, and the Innovator's Dilemma**

*WIRED*

**Antibiotics Are Failing Us. Crispr Is Our Glimmer of Hope**

*WIRED*

**A Hearing Friday May Decide the Future of Net Neutrality**

*WIRED*

**University of Toronto Launches Specialization in Self-Driving Cars**

*Digital Trends*

**H-1B changes will simplify application process**

*TechCrunch*

**STEM education and the rise of female inclusivity**

*Smart Talk | wtf.org*

**To Help Washington, D.C., Thrive, Focus on the Communities**

*Opinion | OZY*

**Moscow Was Home to Tetris Until a Bidding War Made the Tiles Fly**

*Flashback | OZY*

**Is diversity in a team good or bad for innovation?**

*Idea to Value*

**What are the three things every idea needs to be successful? The balanced breakthrough model**

*Idea to Value*

**These Countries Are the World's Hotbeds of Solo Entrepreneurship**

*Forbes*

**How Big Companies Can Innovate Like Small Startups**

*Knowledge@Wharton*

**MassChallenge business accelerator opening in downtown Houston**

*HoustonChronicle.com*

**Radical innovation needs a 'hot market.' So now what?**

*MIT Sloan*

**Why Leadership And Innovation Cannot Exist Without Each Other**

*Forbes*

**The Truth About Women and MBA Degrees (Infographic)**

*Entrepreneur*

**Will the shutdown extinguish passion for public service?**

*Bizwomen*

**Trump Discusses Claims of 'Fake News,' and Their Impact, With New York Times Publisher**

*The New York Times*

**Zoning Reform Isn't a Silver Bullet for U.S. Housing**

*CityLab*

**Getting the word out**

*Seth's Blog*

**The Design Thinking and Lean Startup Models Are Broken. Here Is the Innovation Vortex!**

*@jurgenappelo | Medium*



**Giving algorithms a sense of uncertainty could make them more ethical**  
*MIT Technology Review*

**How to Cut Costs and Still Be Innovative**  
*Innovation Excellence*

**Top 20 Innovation Articles of January 2019**  
*Innovation Excellence*

**Should Tech Workers Worry About Age Discrimination?**  
*Innovation Excellence*

**Explore, engage and extrapolate to discover the pains, gains and jobs to be done of your customer**  
*Innovation Excellence*

**The Right Way to Choose the Best Idea**  
*Innovation Excellence*

**How Colleges Are Preparing Students For Jobs That Don't Exist Yet**  
*Imagination Matters*

**Computer Science Demand Is Soaring Due To Tech Bubble 2.0**  
*Diversity in STEAM Magazine*

**Photographer Felice Frankel translates science into stunning images**  
*National Geographic*

**Going With the Flow**  
*Psychology Yesterday | Psychology Today*

**I Now Pronounce You Creative Partners**  
*The Craft of Creativity | Psychology Today*

**The Great Naturalist John Burroughs on Art, the Courage to Defy Convention, and the Measure of a Visionary**  
*Brain Pickings*

**A Recursive Series of Paintings Inspired by One Woman's Second-Ever Work of Art**  
*Colossal*

# # #

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Have you found an article you'd like to share? Email the link to [george.tzougros@wisconsin.gov](mailto:george.tzougros@wisconsin.gov).

# # #

The **National Creativity Network** believes that by fostering creativity in our society as a whole, and specifically with future generations, America can remain a leader in innovation and free enterprise. The very future of our communities and institutions depends on our ability to nurture and harness imagination to creatively solve problems. If creativity is to be nurtured, systems, institutions and networks must be transformed.

The opportunities that emerge to transform our nation are largely dependent upon the degree to which we are connected to each other. Our connection will become a catalyst:

- to enhance the flow of relevant information,
- and to improve the ease with which key nodes of creativity, be they in the domains of Education, Commerce, Culture or across disciplines, can gain access to the best thinking, best questions, and most successful practices as well as other resources their ventures may require.

Our strategy is to engage thought leaders across North America to create a powerful network for transformation.

Join Us!

For more information, please go to our [web site](#) or

**National Creativity Network**

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Oklahoma City, Oklahoma 73102

<http://nationalcreativitynetwork.org>

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