



National Creativity Network

ARTICLES OF INTEREST

It is time for the *Articles of Interest* to go on holiday break. All of us at the National Creativity Network wish you health, peace, and joy during the holidays and throughout the New Year! The *Articles of Interest* will return on Friday, January 4, 2019.

December 14, 2018

QUOTE(S) OF THE WEEK

“Collaboration and augmentation are the foundational principles of innovation.” – Vaclav Smil

“The sciences are being held back by assumptions that have hardened into dogmas, maintained by powerful taboos. I believe that the sciences will be regenerated when they are set free.” – Rupert Sheldrake

“Replacing humans with robots in a dangerous place like the battlefield might seem like a good idea. However, it’s also fanciful to suppose that we could just have robots fight robots. There’s not some separate part of the world called ‘the battlefield.’ Wars are now fought in our towns and cities, with unfortunate civilians caught in the crossfire.” – Toby Walsh

“Science is not the glamour that’s portrayed in films. It’s a lot of drudgery work, along with the wonderfully exciting periods when you discover something.” – Paul Greengard

“You have to have the courage to face the unexpected. This is the difference between people who do things and people who don’t dare, who don’t dare to live.” – Gianna Angelopoulos-Daskalaki

“There is a vitality, a life force, an energy, a quickening that is translated through you into action, and because there is only one of you in all time, this expression is unique. And if you block it, it will never exist through any other medium and will be lost.” – Martha Graham

VIDEO(S) OF THE WEEK

AI is changing the news we consume—and how we consume it

Fast Company

Screen time kids study: Groundbreaking study examines effects of screen time on kids

60 Minutes | CBS News

Also

Phones, tablets, and their impact on kids' brains

60 Minutes | CBS News

Is Screen Time Bad for Kids' Brains?

The New York Times

We Need a Bigger Definition of Creativity

John Spencer

Google's Year In Search 2018 zeitgeist video focuses on the good—watch it here

Fast Company

David Delgado | Visual Strategist, NASA JPL

CreativeMornings/LA

The Top 5 most creative brand ideas you need to know about

Special: Creativity Top 5 - Ad Age

FEATURED EVENTS/OPPORTUNITIES

Water Council launches global Tech Challenge

BizTimes Media Milwaukee

Through January 13

How to do Creative Placemaking

Local Initiatives Support Corporation

Through April 10

NSF grant program to pay universities to hire quantum researchers

Edscoop

December 17, July 1

2017 - 18 Event Calendar

Co-Create and Creative Industries Network

Various

Google kicks off \$25M competition to boost 'AI for Social Good'

GeekWire

Deadline: January 22

VISION & LEADERSHIP Symposium

Alberta Council of Technologies

January 26

NEW Legendary Guitarist Peter Frampton to Receive the Les Paul Innovation Award at 34th Annual NAMM TEC Awards

PRNewswire

January 26

2019 EngineerGirl Writing Contest: Stories Engineered to Inspire

EngineerGirl

Deadline: February 1, 2019

SXSW Art Program

Announcements | e-flux

March 9 – 18

Navigating Now and Beyond

Florida Creativity Conference

March 29 – 31, 2019

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

ABC57.com

April 8 – 13

CreativeMornings | a monthly breakfast lecture series

CreativeMornings

Various

Interactive Map | Festivals

Science Festival Alliance

Various

ARTICLES OF INTEREST

Opinion | How to Save the Web

The New York Times

Yo-Yo Ma's Days of Action

The New Yorker

Exclusive: Hayao Miyazaki Meets a CG Caterpillar in New Documentary

io9 | Gizmodo

Geminid meteor shower: When and where to watch the peak

National Geographic

Children Village Wins The RIBA International Prize 2018

Imagination Matters

December 2018 Issue
SCIART Magazine

Virgin Galactic Takes Off, and Space Tourism Draws Nearer
WIRED

National Academy of Inventors Announces 2018 Fellows
PRNewswire

Dr. Yelena Yesha: Meet The Tenacious Pioneer Pushing Innovation To Address Real World Problems
Forbes

The Liberal Arts May Not Survive the 21st Century
The Atlantic

Driving Innovation in Engineering teams
freeCodeCamp.org | Medium

New Code.org teachers take the plunge into computer science with Kahoot!
Code.org | Medium

New data shows a huge gender gap in artificial intelligence
Quartz

Companies are vastly underestimating how badly they'll be hurt by climate change
Fast Company

Removing the Obstacles in Education so Innovation and Academics Can Flourish
The Principal of Change

Advancing Women In Technology Organizations
Forbes

Benefits of Technology and Innovation in Agriculture
KBTX

IBM LEGO Competition Helps Kids Build Engineering Skills
KAALTV.com

Range Innovation Team and 'Innovation Makerspace'
Edwards Air Force Base > News

Learning with innovation
Sampson Independent

Pursuit of Innovation Drives Success
Engineering News-Record

How Vivid Imagination Can Help People Unlearn Fear

The Athlete's Way | Psychology Today

Why artificial intelligence is likely to take more lives

Phys.org

**Buridan's donkey: Neuroscience resolves medieveal decision-making conundrum:
Research shows how we avoid becoming paralyzed by indecision**

ScienceDaily

Revealing the brain's molecular architecture

Science

Creativity, Commerce, and the Elephant that Lingers in the Room

The Brooklyn Rail

Jeffersonville's arts and cultural district gets statewide designation

News and Tribune

Malene Barnett Explores a New Medium to Inspire Creativity

Architectural Digest

How Savvy Advertising Helped Make Stereo Technology Mainstream

Innovation | Smithsonian

Canadians are wired differently

MaRS

Draft ROI Report is a Promising Roadmap for Accelerating Tech Transfer

IP Watchdog

'Bureaucracy is stifling innovation and we need to kill it'

The Irish Times

Renewing Cultural Diplomacy

IFACCA | International Federation of Arts Councils and Culture Agencies

Saliva test for Alzheimer's

Innovators magazine

Respect difficult problems

Seth's Blog

How Retailers Like Amazon Are Using Curation To Recommend Gifts

PSFK

Chase for Talent Pushes Tech Giants Far Beyond West Coast

The New York Times

Also

Apple announces \$1 billion campus in Texas, part of plan to create 20,000

US jobs by 2023
ABC News

Changing demographics of scientific careers: The rise of the temporary workforce
PNAS | Proceedings of the National Academy of Sciences of the United States of America

What Consensus Means For Driving Innovation
Game-Changer

Innovating Swim Flippers with Jobs to be Done
Innovation Excellence

If You Don't Explore, You Won't Invent And You Will Be Disrupted
Innovation Excellence

Organizational Pathways to Business Model Innovation
Innovation Excellence

Did a slave make your sneakers? The answer is: probably
Fast Company

The cofounder of Casper wants to make home renovations less hellish
Fast Company

How Lyft is changing itself from a driving company to a transportation company
Fast Company

Postmates' new rover, Serve, is adorable by design
Fast Company

Apple will update the iPhone next week to get around Chinese court ban
Fast Company

Congress seems really bad at understanding technology
Fast Company

What Does a Data Scientist Do at a Design Company?
IDEO Blog

Here's What it Takes For Designers and Developers to Truly Collaborate
IDEO Blog

Robots and Millennials: Joining Forces To Change The Future of Work
Diversity in STEAM Magazine

Meet the 26-year-old entrepreneur turning high-school gamers into varsity athletes
Diversity in STEAM Magazine

12 innovations that will revolutionize the future of medicine

National Geographic

How Culture Makes Us Smarter

The Nature-Nurture-Nietzsche Blog | Psychology Today

Kid Thinkers Partnered With Grown-Up Experts to Bring Their Inventions to Life

Colossal

Walmart Goes After Young, Affluent Customers With Art.com Acquisition

Forbes

Art made by AI is selling for thousands – is it any good?

BBC | Culture

Is Tech Too Easy to Use?

The New York Times

Dr. Elon & Mr. Musk: Life Inside Tesla's Production Hell

WIRED

Number of Streaming Shows Overtakes Basic Cable, Broadcast

Variety

Cafe in Japan Hires Paralyzed People to Control Robot Servers

Next Shark

Violin teaching app Trala raises \$1.3M from Origin, LinkedIn CEO

Chicago Business Journal

AOPA's STEM curriculum featured in PBS NewsHour's Future of Work series

AOPA

Geena Davis on Founding Her Diversity-Focused Institute, Putting Women in STEM Onscreen, and Watching Hollywood's #MeToo Fallout

Inc.com

Nanotechnology center to help broaden participation of minorities in STEM fields

EurekAlert! Science News

#BlackGirlMagic: Black women in STEM are driving forward -- educators need to catch up

EurekAlert! Science News

How one woman is taking dirt bike culture and turning it into STEM education

The Washington Post

How Alaska Native Students Pursue STEM, With Great Success

MindShift | KQED News

This Memphis teacher wanted to make learning physics more engaging, so he created a website. Now it's used in 40 countries.

Chalkbeat

Wisconsin's Controversial Proposal on Program Elimination

Inside Higher Ed

The Math of Spot It!

Science | Smithsonian

The Ten Best Board Games of 2018

Arts & Culture | Smithsonian

Pew Finds Social Media Has Surpassed Print Newspapers as Americans' Main News Source

Smart News | Smithsonian

This New Technique Could Revolutionize the Future of Art Reproduction

Smart News | Smithsonian

The medical community is finally realizing the uterus is more than a 'baby house'

Popular Science

The most amazing health innovations of 2018

Popular Science

The best new software of 2018

Popular Science

12 weird science facts to share with your family this holiday

Popular Science

Listen to the very first sounds recorded on Mars

Popular Science

Will the New Congress Take Up Sexual Harassment in Science?

Pacific Standard

[WATCH] 'Sesame Street' Muppet Lily Becomes First To Experience Homelessness

Deadline

Could Robots Develop Prejudice on Their Own?

Acumen | OZY

Malcolm Gladwell: Black Lives Matter Is Good for America

Opinion | OZY

How Cities Can Create the Next Silicon Valley

Knowledge@Wharton

The Not-So-New Gig Economy: What The C-Suite Can Learn From Millennials
Forbes

Bridging the Gap Between Science and Government
The Chronicle of Higher Education

Why Artists will never be replaced by Artificial Intelligence
The Startup | Medium

Scientists Virtually Reconstruct Magnificent Pre-Incan Temple
Gizmodo

Film Office Director Rich Moskal: a tough act to follow
Reel Chicago

Why N.B.A. Stars Are Trading In Their Nikes
The New York Times

Opinion | The Big Question: Have We Left Something Important Behind?
The New York Times

Artificial Intelligence and the Future of Humans
Pew Research Center

We asked artificial intelligence to analyze a graphic novel – and found both limits and new insights
The Conversation

Ada Lovelace: The First Computer Programmer
Diversity in STEAM Magazine

China was reportedly behind the Marriott hack, as well as other hacks, too
Fast Company

Exclusive CEO Interview: Satya Nadella Reveals How Microsoft Got Its Groove Back
Forbes

Evelyn Berezin, 93, Dies; Built the First True Word Processor
The New York Times

College Is Dead According To The New Book 'Leveraged Learning'
Forbes

Making innovation policy work for everyone
Nesta

Creative hubs promoting diversity and inclusion
Nesta

Marriott Data Breach Is Traced to Chinese Hackers as U.S. Readies Crackdown on Beijing

The New York Times

Russia Wants to Extend U.S. Space Partnership. Or It Could Turn to China.

The New York Times

Movies Starring Women Earn More Than Male-Led Films, Study Finds

The New York Times

Time Names Person of the Year for 2018: Jamal Khashoggi and Other Journalists

The New York Times

SAG Award Nominations: Complete List

Variety

Educational Leadership: The Arts and Creativity in Schools

ASCD

This Rock Legend Is Combining Teacher PD With Live Music

Education Week

Review of Evidence: Arts Education Research through the Lens of the Every Student Succeeds Act

The Wallace Foundation

The Dark Core of Personality

The Creativity Post

11 'changemakers' picked as recipients of Microsoft and National Geographic AI for Earth Innovation Grants

Nuadox

Attention is not a resource but a way of being alive to the world

Aeon Ideas

3 Things About Amazon's Whole Foods Acquisition That Nobody Is Talking About ... Yet

Innovation Excellence

Examining the Future of Work

Innovation Excellence

Top 20 Innovation Articles of November 2018

Innovation Excellence

Google just gave DuckDuckGo a huge boost—giving it duck.com

Fast Company

Tristan Walker announces acquisition by Procter & Gamble, will remain as CEO and move company to Atlanta

Fast Company

Need to remember something? Draw it

Fast Company

What tech companies get wrong when recruiting women

Fast Company

Suddenly, Poets Are More Willing to Address Public Concerns. The Poet Laureate Explores Why, and How.

The New York Times

Star Tribune film critic resigns after ethics breach

StarTribune.com

Good Tidings from SAAN

ARTS Blog | Americans for the Arts

Pushing the Boundaries: A Look at Visionary Approaches to the Arts

National Endowment for the Arts

New study says scientists are leaving academic work at unprecedented rates

Inside Higher Education

Nutcracker Again?

Dance/USA

Fortnite fight: Can a rapper claim a dance?

The Washington Post

AVID-Wonder Workshop Partnership Brings Coding and Robotics to Classrooms

THE Journal

Bill Would Create NJ Innovation Portal for Students, Researchers

TAPinto

Brainwaves suppress obvious ideas to help us think more creatively

EurekAlert! Science News

The Creativity Conundrum

Update | Wisconsin School of Business

New Engineering and Technology program at IUPUI emphasizes innovation, entrepreneurship

News at IU: Indiana University

National Academy of Inventors names 2 ASU researchers as 2018 Fellows

ASU Now

The Last Mile Of Innovation Will Separate The Leaders From The Laggards

Forbes

Opinion | Williams: Canada must continue to be a spacefaring nation. Here's why
Ottawa Citizen

UNICEF's Innovation Fund announces first cohort of blockchain investments in emerging markets
UNICEF

Should We Be Worried About Computerized Facial Recognition?
The New Yorker

New 'Star Trek' to shoot in California thanks to tax credits
L.A. Biz

Google's New AI Is a Master of Games, but How Does It Compare to the Human Mind?
Innovation | Smithsonian

How a New Hampshire Museum Is Using Art to Reach Families Affected by the Opioid Crisis
Smart News | Smithsonian

Innovation Simplified
Innovation Management

José Andrés is nominated for 2019 Nobel Peace Prize and other updates from TED
TED Blog

Patent Wars: Who is Winning the Battle for Tech Innovation Supremacy?
Visual Capitalist

Don't Give Up on a Great Idea Just Because It Seems Obvious
Harvard Business Review

Pride of place
California Arts Council | Medium

Drivers of International Healthcare Entrepreneurship
Innovation Excellence

You Don't Have an Innovation Problem, You Have a Trust Problem! (Part 2)
Innovation Excellence

The Riveter, a female-centric coworking startup, raises \$20 million
Fast Company

Urban waterways are under siege by a new invasive species: e-scooters
Fast Company

NASA Headquarters Could Soon Name a Street in Honor of the Women Who Inspired Hidden Figures
Diversity in STEAM Magazine

Best National Geographic Your Shot Photos of the Week December 7, 2018

National Geographic

National Geographic's collection of the 30 most compelling and moving photographs of 2018

National Geographic

NASA's Voyager 2 spacecraft is now interstellar. Where to next?

National Geographic

How the Myth of the Hedonistic Artist Lost Its Allure

The New York Times

Go behind the scenes of dinosaur fossil restoration

National Geographic

How TIME Chose The 50 Best Inventions Of 2018

Imagination Matters

Top 5 Innovative Technologies That Will Disrupt and Dominate 2019 and Beyond

Innovation Excellence

Engineers are trying to help the Great Barrier Reef make a comeback

Create News

Stop Stealing Dreams

Akimbo | a podcast from Seth Godin

Also

Connect the Dots

Akimbo | a podcast from Seth Godin

The most impressive engineering feats of 2018

Popular Science

The best entertainment innovations of 2018

Popular Science

How Grace Hopper Laid the Foundation for the Information Age

Interesting Engineering

11 Women Who Are Changing The Face Of Finance

Forbes

Janelle Monae Talks Creative Freedom And Diddy For Billboard

Vibe

Opinion | End the Innovation Obsession

The New York Times

North Dakota students learn code for Computer Science Education Week

Grand Forks Herald

Connecting The Dots: The Link Between Innovation And Open-Mindedness, With Insights From Science

Forbes

BHS students' creativity opens Harvard science symposium

Barnstable Patriot

Childish Gambino's groundbreaking creativity inspires young Vancouver artists

CBC News

Prime Minister announces investment in artificial intelligence to create over 16,000 jobs for Canadians

NewsWire.ca

Minister Ng appoints special advisor - Sheldon Levy named special advisor on scaling up small and medium-sized businesses

NewsWire.ca

Government challenges small businesses to innovate

NewsWire.ca

Contributing to the development of science and innovation in Canada

Benzinga

MSU Engineering celebrates 25 years of Design Day

MSUToday | Michigan State University

How scientists are studying dreams in the lab

The Verge

Anta Sports-led consortium could buy Slugger

Louisville Business First

How one woman is taking dirt bike culture and turning it into STEM education

The Washington Post

How the Internet of Things May Change K–12 Culture

EdTech Magazine

My Arts Degree Hasn't Made My Fortune - but Its Value Is Incalculable

The Guardian | Medium

Spotlight: EDA's Office of Innovation and Entrepreneurship: Advancing American Business through the Regional Innovation Strategies Program

U.S. Economic Development Administration

Industrial design trailblazer Charles Harrison has died

Quartz

Opinion | Can the U.S. Stop China From Controlling the Next Internet Age?

The New York Times

Five Great Podcasts From 2018

The New York Times

The Best Performances of 2018

The New York Times

How Urban Is the World's Population? Experts Disagree.

CityLab

The Wisdom of the Sloth: Is Sleep a Lost Virtue?

The Creativity Post

False limits

Seth's Blog

Topping off the tank

Seth's Blog

Opinion | What Straight-A Students Get Wrong

The New York Times

Algorithms and their unintended consequences for the poor

Harvard Law Today

The science behind facial recognition isn't as solid as companies claim, experts say

Quartz

Here's Why It's So Hard It's So Hard To Bring Science To Market

Innovation Excellence

How to Negotiate Using the FBI's 5-Step Hostage Strategy

Innovation Excellence

How to build effective strategy even in constant change

Innovation Excellence

Conscious Business with Brian Schultz

Innovation Excellence

AI Will Create Many More Jobs Than It Kills

Innovation Excellence

How the blockchain is changing the art market

Fast Company

The iconic Fearless Girl statue has a new home

Fast Company

What a 19th-century French novel tells us about Jeff Bezos and Amazon

Fast Company

Amazon Go's expansion could face trouble if more cities ban cash-free retail stores

Fast Company

An ambitious plan to change how we build housing

Fast Company

MTV to Chronicle Disability Activist's Quest to Travel Into Space

Diversity In STEAM Magazine

National Geographic's best stories of 2018

National Geographic

Settlement in the Anish Kapoor-N.R.A. Lawsuit

The Art Law Blog

John Leguizamo's 'Latin History for Morons' Must-Reads

The Atlantic

Natasha Trethewey Wants America To Have A Personal Reckoning

BuzzFeed

Clichés As a Political Tool

The Walrus

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Have you found an article you'd like to share? Email the link to george.tzougros@wisconsin.gov.

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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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<http://nationalcreativitynetwork.org>

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