

Compete Connect

September Edition

From the President's Desk



**Deborah L.
Wince-Smith,**
President and CEO, Council
on Competitiveness

As innovations bubble up fast and furious around the world, policymakers, standards setters and regulators face extreme challenges in keeping pace with the underpinning technological and business model disruptions. This is a critical issue for all nations to face and solve – as regulation, for example, can have a direct effect, positive or negative, on the innovation-generating mechanisms in any economy, including competition and the creative-destruction and economic reorganization that occur with all technological disruptions.

And while the United States has historical examples of success in mapping smart and proper regulation to innovation opportunity, today – as has always been the case – the U.S. government often struggles to understand when or when not to regulate new technological disruptors. This is a critical issue the Council and our National Commission on Innovation and Competitiveness Frontiers will be addressing in the months to come.

News

In her latest Forbes.com article, the first in a two-part series, Council President and CEO The Honorable Deborah L. Wince-Smith provides a snapshot of innovations driving disruption across a set of emergent industries – like autonomous vehicles, food and agriculture, and artificial intelligence – and the regulatory actions accelerating or applying brakes on their competitiveness.

Read more [here](#).

Technology Leadership and Strategy Initiative

Deere & Company Chief Technology Officer Dr. Jahmy Hindman chaired the September “Competitiveness Watch” dialogue, featuring Council National Commissioner, Dr.

Jonathan McIntyre, CEO of Motif FoodWorks, Inc. Dr. McIntyre outlined the massive disruptions, scientific breakthroughs and innovations driving the fast-changing, global food industry – and the implications for sustainability, new talent development, and healthier lifespans.

National Commissioners Mr. Nolan Pike, President and CEO of Electrolux North America, and Mr. Charles O. Holliday Jr., Chairman Emeritus of the Council on Competitiveness, kicked off the session’s conversation and Q&A – diving deeply into the nature of consumer-based innovation, increasingly sophisticated demand, fast innovation cycles, and growth projections for this industry; and uncovering broader lessons for TLSI members and the National Commission community.



Jon McIntyre,
CEO, Motif FoodWorks, Inc.



Nolan Pike,
President and CEO,
Electrolux North America



Charles O. Holliday, Jr.
Chairman Emeritus,
Council on Competitiveness

To find out more, [email](#) EVP Chad Evans.

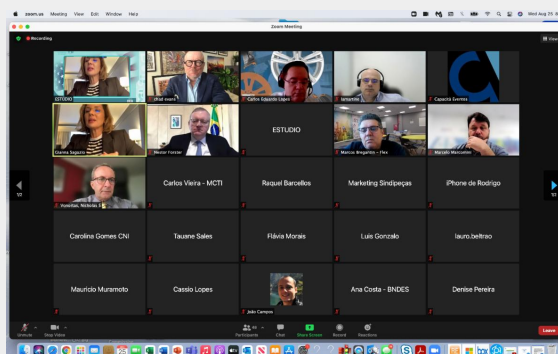
University Leadership Forum Meeting

The Council's [University Leadership Forum](#) met on September 28th to review progress on a STEM and the Arts video series. The videos will feature business leaders (with arts degrees or minors), highlighting their personal stories, as well as describing the potential at the intersection of arts and science both as a career enhancer and as a pathway to solve grand challenges. The Forum also reviewed the federal legislative outlook for the remainder of the year and explored ways in which the Forum might engage on policy areas such as research funding, infrastructure, and technology development.

To find out more, [email](#) EVP Bill Bates.

Council EVP Chad Evans keynotes U.S.-Brazil Innovation Immersion, in partnership with Brazil’s Confederation of Industry (CNI)

In the most recent U.S.-Brazil Innovation Immersion, a longstanding initiative led by the Council and CNI, Mr. Evans provided a summary of key findings from the Council’s National Commission to a leading group of Brazilian CEOs and public sector officials, including Brazil’s Ambassador to the United States, the Honorable Nestor Forster, Jr.



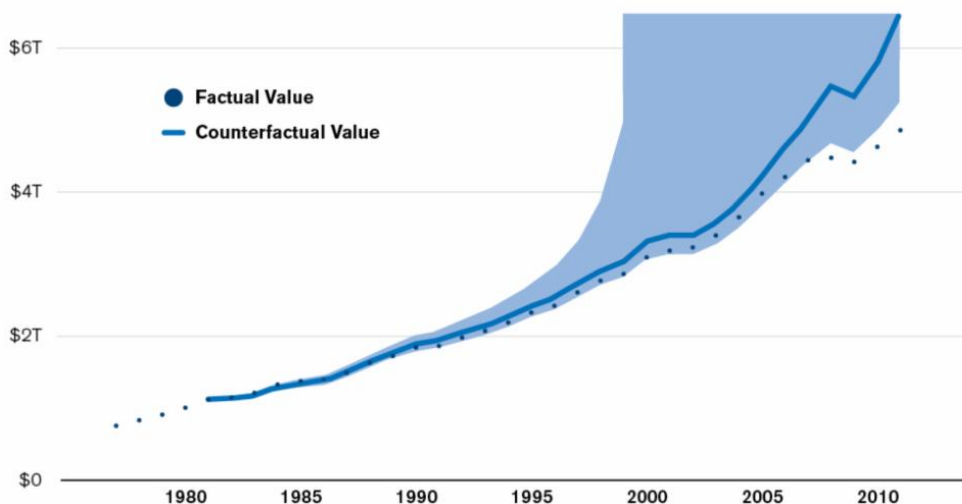
Council Insight

Federal regulation slowed GDP growth

A 2016 [working paper from the Mercatus Center](#) examined the effects of accumulated regulations on U.S. economic growth. The study reviewed regulation's effects on firms' investment choices across 22 industries between 1977 and 2012, and revealed the accumulation of regulation had resulted in a reduction of the annual growth rate of U.S. GDP by 0.8 percent. Over time, had regulation levels remained constant since 1980, the U.S. economy would have been approximately 25 percent larger in 2012 than it actually was. This reduction of growth translated into a \$4 trillion loss between 1980 and 2012 (or a loss of about \$13,000 per capita).

Factual and Counterfactual Value Added to GDP, with 90 Percent Confidence Interval Across 22 Industries

Source: Mercatus Center 2016.



Member Spotlight

GEM - the National Graduate Education for Minorities consortium – recognizes National Commission Co-Chair Dr. Thomas Zacharia, Director of Oak Ridge National Laboratory



Thomas Zacharia,
Director, Oak Ridge National
Laboratory

The GEM consortium's leadership acknowledged Dr. Zacharia's commitment to STEM diversity during their recent gala on September 9, 2021. The award recognizes Dr. Zacharia for influential leadership, as well as his commitment and dedication to creating better opportunities for underrepresented groups in the STEM fields.

Read more [here](#).

National Commission Co-Chair Dr. Michael Crow, President of Arizona State University, outlines steps to improve intellectual infrastructure in American education

In a recent op-ed in *The Hill*, ASU President Michael Crow

maps out ways in which the Biden administration should focus infrastructure investments to improve educational access and opportunity. Crow makes the case for greater inclusivity within higher education to drive the intellectual and socioeconomic diversity needed to address 21st-century challenges. In reference to his recent book, *The Fifth Wave: The Evolution of American Higher Education* (Johns Hopkins University Press, 2020), he points to key lessons learned in ensuring excellence and accessibility in college education.



Michael Crow,
President, Arizona
State University

Read the full op-ed [here](#).

National Commissioner and President of Qualcomm Technology and Licensing, Mr. Alex Rogers and Qualcomm leadership are inspiring the next generation of STEM Innovators



Alex Rogers,
President, Qualcomm
Technology and Licensing

Thinkabit Lab is Qualcomm's effort to inspire the workforce of the future, promote new technology, and reach the company's goal of educating 1.5 million STEM students and teachers by 2025. In a recent article, Mr. Rogers discusses how Thinkabit Lab addresses the gender gap in STEM subjects and explains how the company has increased the participation of girls in their program by 1,300% compared to summer 2020.

Read Mr. Rogers's article and find out more about Thinkabit Labs [here](#).

Gallup and Hologic release results from a new, multiyear survey about the state of women's health across the world

The [Global Women's Health Index](#) investigates the broader effects of women's health, including societal effects. It also highlights some of the current research gaps and raises awareness for gaps in women's health experiences and how the health of women across the globe can be improved. The survey tracks women's access to quality health care, preventative care, but also violence against women. It can be seen as a call for action to world leaders and societies as a whole to take notice of the situation and act to improve women's health across the globe.

Read more [here](#).

The Department of Energy's (DOE) Advanced Scientific Computing Advisory Council appoints new member – Council on Competitiveness “Advanced Competing Roundtable” (ACR) Co-Chair Rick Arthur

Rick Arthur, Senior Director of Computational Methods Research at GE Research, will hold the appointment until October 2023. The Advanced Scientific Computing Advisory Council brings together thought leaders from academia, industry and the DOE National Labs to provide independent insights on scientific and technical matters related to the Department's Advanced Scientific Computing Research (ASCR) program.



Rick Arthur,
Senior Director of Computational

In accepting this role, Arthur notes he looks forward to helping the DOE execute “a persistent strategy to advance computing technologies and application

capabilities crucial to national security, economic competitiveness, energy security and scientific discovery leadership.”

Methods Research, GE Research

Read more [here](#).

ACR member Dr. David Bader named recipient of the 2021 Sidney Fernbach Award



David Bader,
Distinguished Professor and
Founder, Department of Data
Science, New Jersey Institute of
Technology

The award recognizes contributions in the application of high-performance computers using innovative approaches. Dr. Bader, a Distinguished Professor and Founder of the Department of Data Science at the New Jersey Institute of Technology, was cited for the development of Linux-based massively parallel production computers and for pioneering contributions to scalable discrete parallel algorithms for real-world applications.

Read more [here](#).

Reading Recommendations

New Report by Bank of America Global Research highlights the importance of a diverse workforce

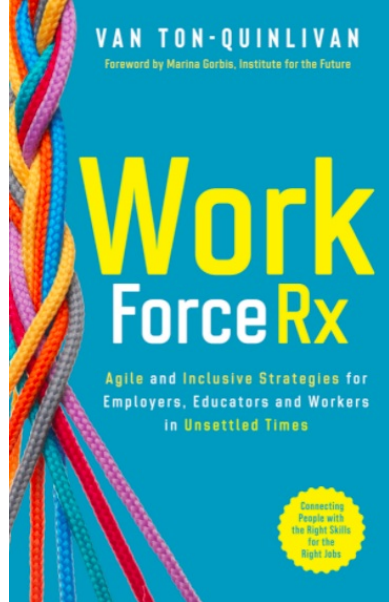
Diversity in the workforce is more than a question of justice – new evidence from Bank of America Global Research, “Everybody Counts: Diversity and Inclusion Primer,” highlights the important implications diversity has for business, society and the economy. The report reveals present inequities for people of color, the LGBTQ+ community, and those with disabilities – and also shares data from the San Francisco Federal Reserve Board quantifying a \$70 trillion economic loss, between 1990 and 2019, from the lack of inclusion

Learn more about the report [here](#) and download [here](#).

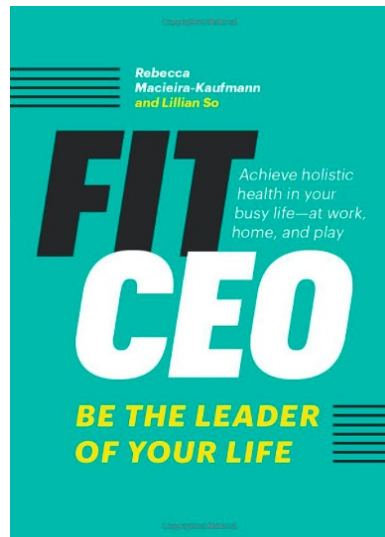
Ms. Van Ton-Quinlivan, CEO of Futuro Health, releases a new book on workforce development strategies

Ton-Quinlivan’s new book, *WorkforceRx: Agile and Inclusive Strategies for Employers, Educators and Workers in Unsettled Time*, is a collection of proven workforce development strategies refined for the private, public, education and non-profit sectors. As skill profiles change, partnerships are increasingly important, and an inclusive workforce are becoming increasingly important. Ms. Ton-Quinlivan has contributed extensively to the National Commission’s Working Group focused on “Unleashing Capabilities for Work and Entrepreneurship.”

Order her book [here](#).



Former Citigroup executive Ms. Rebecca Macieira-Kaufman releases new book on work-life balance



Fit CEO – Be the leader of your life, by Rebecca Macieira-Kaufman and Lillian So, addresses the challenge of balancing a healthy life and demands at work. Ms. Macieira-Kaufman, a member of the National Commission’s Working Group community, provides actionable tips for personal and professional fulfillment.

Order her book [here](#).

New Report from the International Economic Development Council (IEDC) addresses the trends in employment and effects of automation in communities of color



Council National Affiliate Mr. Jeff Finkle, President of the IEDC, and his team have released “The Future of Work and Inclusion.” This report presents five case studies of programs that prepare workers of color for safe and secure jobs of the future. The report also highlights strategies to address regional workforce training and continuous education challenges.

Watch the launch event here and download the report [here](#).

Mark Your Calendars

Competing in the Next Economy Web Series: Pushing Back the Frontiers of Technology

and Defining the Future of Innovation

Presented by Lockheed Martin

October 7, 2021, 2:00-3:00 PM Eastern

[Click here to register](#)

An expert panel will explore questions on the economic competitiveness, national security, and socio-technical implications of massive technological change and revolutionary innovation.

Featuring:



Dr. Steven H. Walker
Vice President and Chief Technology Officer,
Lockheed Martin



Dr. Kimberly Budil
Laboratory Director,
Lawrence Livermore National Laboratory



Dr. Jahmy Hindman
Chief Technology Officer,
Deere & Company



Dr. Robert Johnson
President,
Western New England University



The Honorable Deborah L. Wince-Smith
President and CEO,
Council on Competitiveness

Moderated by:



Mr. Chad Evans
Executive Vice President,
Council on Competitiveness

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