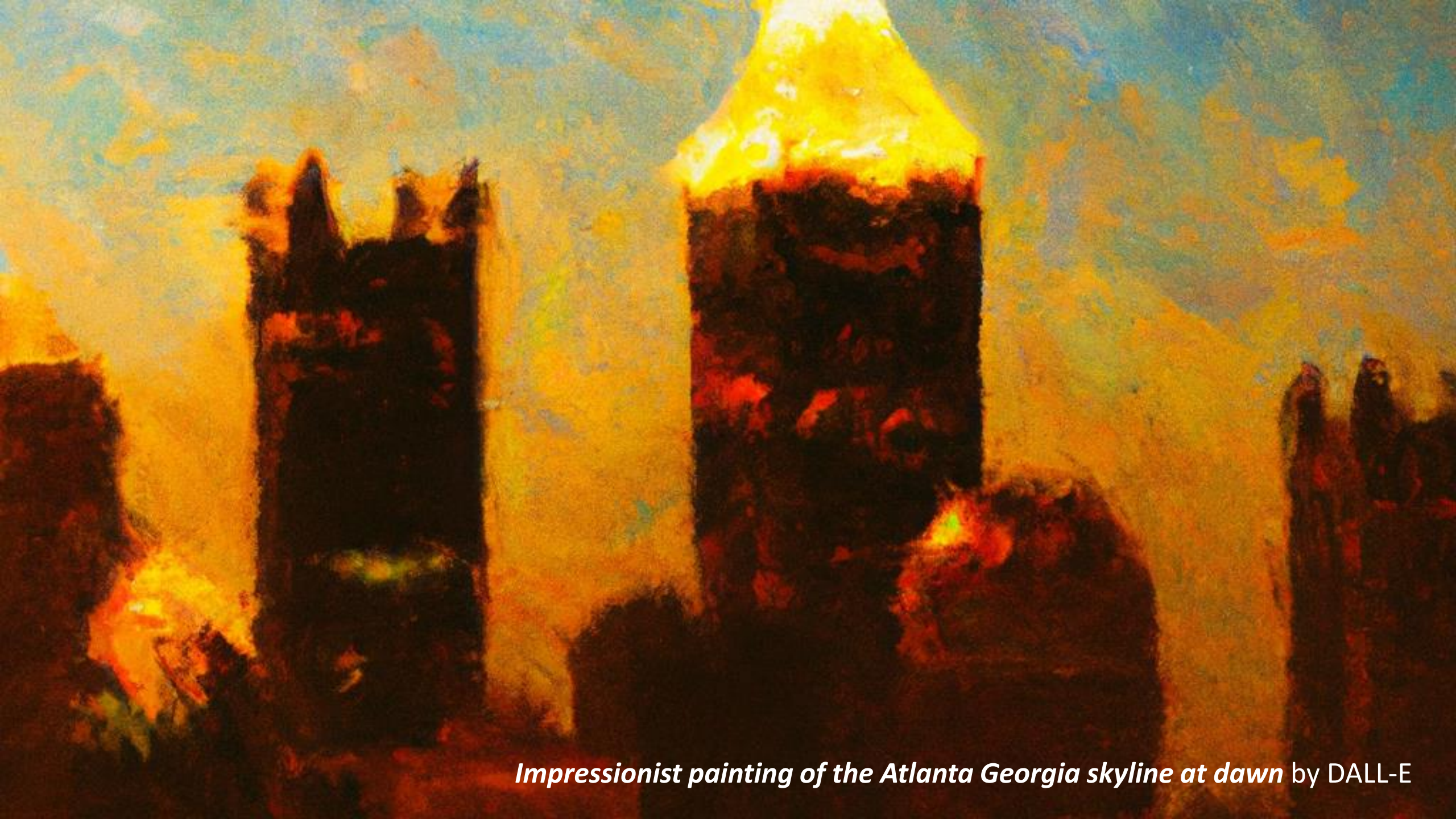

Impressionist painting of the Atlanta Georgia skyline at dawn by DALL-E

Atlanta Regional Commission's
Emerging Technologies Roundtable

C2ER
May 4, 2023

- A brief history of Emerging Technologies Roundtable (ETR)
- ETR Topics and Roundtable Members
- Benefits to ARC and our Region
- Thoughts on how to build your own ETR

Atlanta Regional Commission is the regional planning and intergovernmental coordination agency for the 11-County Metropolitan Atlanta region

(Cherokee, Clayton, Cobb, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry and Rockdale counties, and the city of Atlanta)

- Transportation options
- Healthy, livable communities
- Water resources
- Services for older adults & individuals with disabilities
- Develop a competitive workforce
- Provide data
- Cultivate leaders
- Coordinate with local first responders
- Engage the public on key regional issues

Why create Emerging Technologies Roundtable?

Emerging Technologies:
New or nascent technologies that have the potential to change the status quo.

Strategic Foresight:
“structured…way of using ideas about the future to anticipate and better prepare for change…exploring different plausible futures that could arise…use those ideas to make better decisions and act now.”

Why create Emerging Technologies Roundtable?

To identify and understand emerging technologies that have the potential to impact our region in the coming decade and;

Why create Emerging Technologies Roundtable?

To identify and understand emerging technologies that have the potential to impact our region in the coming decade and;

To increase our ability to prepare for change on the horizon.

EMERGING TECHNOLOGIES ROUNDTABLE

“Roundtable members meet quarterly to explore, advise, and report on the ways in which emerging technologies may impact how we will live, work and travel in our region over the coming decade and beyond.”

Topic Areas and Roundtable Members

- Artificial Intelligence
- Infrastructure and Connected Communities
- Energy, Climate, Water and Environment
- Transportation
- Virtual Presence and Gaming
- Manufacturing and Construction
- Supply Chain and Logistics

- Fintech
- Food and Agriculture
- Robotics and Automation
- Aging and Health
- Safety and Security
- Computing
- The Intersection of…Community, Arts, Ethics & Equity, Economy, Work and Workforce

Muhammed Ahmed, *Research Scientist at Opendoor*
Dr. Justin B. Biddle, *Associate Professor at the Georgia Institute of Technology; Director of the Georgia Tech Ethics, Technology, and Human Interaction Center (ETHICx), and a Faculty Affiliate in the Georgia Tech Center for Machine Learning.*
Dr. Carolyn Bourdeaux, *Visiting Senior Scholar, School of Public and International Affairs UGA & U.S. Representative*
Brandon Branham, *CTO and Assistant City Manager at City of Peachtree Corners*
Dr. Marilyn A. Brown, *CEM, NAS, NAE, Regents' Professor School of Public Policy at Georgia Tech*
Mayor Michael Caldwell, *Mayor of the City of Woodstock and Managing Partner at Black Airplane*
Frank Fernandez, *President & CEO at Community Foundation for Greater Atlanta*
Dr. Brian German, *Director of the Center for Urban and Regional Air Mobility at Georgia Tech*
Robert Herrig, *Director of Supply Chain and Advanced Manufacturing at Metro Atlanta Chamber*

Dr. David Iwaniec, *Associate Professor of Sustainable Futures at the Urban Studies Institute, Andrew Young School of Public Policy Studies at Georgia State University*

Mark G. Lauby, *Senior VP and Chief Engineer at North American Electric Reliability Corporation*

Eric Levitan, *Founder and CEO at Team Vivo*

Laura Rogers, *Deputy Director at The Ray*

Martha Rust, *Director at Tools for Life, College of Design, Center for Inclusive Design and Innovation at Georgia Tech*

Costas Simoglou, *Director of the Center of Innovation for Energy Technology*

Dr. Sweta Sneha, *Founder and Executive Director of Healthcare Management & Informatics at Kennesaw State University / Professor of Information Systems & Security at Kennesaw State University*

Elizabeth Strickler, *Senior Lecturer and Director of Entrepreneurship Programs at Creative Media Industries Institute at Georgia State University*

Keith Wilson, *Head of Connected Car Strategy & EV Charging at Mercedes-Benz USA, and Founder, Klearcoat Labs*

Chairman Kerry Armstrong, *ARC Board Chairman and Managing Director of Development and Investment Services at Pope & Land Real Estate*
Anna Roach, *Executive Director and CEO of the Atlanta Regional Commission*
Mayor Tom Reed, *Mayor of the City of Chattahoochee Hills and Co-Chair of the Emerging Technologies Roundtable*
David Giguere, *Geospatial Administrator at ARC and Co-Chair of the Emerging Technologies Roundtable*
Katherine Atteberry, *Stormwater Planning Manager in Natural Resources at ARC and ETR Advisor*
Bennett Foster, *Principal Project Administrator in Mobility Services at ARC and ETR Advisor*
Amy Perez, *Senior Data Analyst in Research and Analytics at ARC and ETR Advisor*

Q4 2021 Meeting on November 19, 2021

Emerging Technologies, The Perspective of an Elected Official:
Mayor Tom Reed, City of Chattahoochee Hills

Transportation Technology:
Laura Rogers, The Ray

Artificial Intelligence:
Muhammed Ahmed, Mailchimp

Intro to Future Scenarios on February 11, 2022

An Introduction to Future Scenarios

Q1 2022 Meeting on February 25, 2022

Energy, Electrification and Resiliency:

Mark G. Lauby, Senior VP and Chief Engineer at North American Electric Reliability Corporation

Connected Communities:

Brandon Branham, CTO and Assistant City Manager at the City of Peachtree Corners, Georgia

Q2 2022 Meeting on April 27, 2022

***Alternative Futures for Solar Power in Georgia*:**

Dr. Marilyn A. Brown, Regents' Professor School of Public Policy at Georgia Institute of Technology

***Virtual Presence*:**

Elizabeth Strickler, Senior Lecturer and Director of Entrepreneurship Programs at Creative Media Industries Institute at Georgia State University

Q3 2022 Meeting on July 29, 2022

***Responsible AI*: Dr. Nashlie Sephus, Applied Science Manager at Amazon AI and Founder/CEO at The Bean Path**

***The State of Digital Art in Atlanta & Possible Futures*: Jessica Anderson, Research Scientist and Director of DataWorks at Georgia Institute of Technology**

Applied Future Scenarios on October 20, 2022

Explored Four Futures created by Roundtable Members, *Two Strategic Foresight Tools* and *Co-created Future Scenarios*

Q1 2023 Meeting on January 18, 2023

***EVs, Electrification and Future Modes of Transportation*:**
Andrew J. Heath, P.E., Deputy Chief Engineer at Georgia Department of Transportation

***Trends in Supply Chain and Advanced Manufacturing*:**
Robert F. Herrig, Director of Supply Chain and Advanced Manufacturing at the Metro Atlanta Chamber

Q2 2023 Meeting on April 27th, 2023

Artificial Intelligence: Ethical and Societal Impacts

Dr. Justin B. Biddle, Director of the Georgia Tech Ethics, Technology, and Human Interaction Center (ETHICx)

Benefits to ARC and our Region

- Anticipate trends and challenges
- Identify opportunities for economic development
- Protect our communities from future shocks

- Access to SME insights and collaboration
- Inspire teams to be creative and innovative
- Improve policy

Lessons Learned

- Trust and safety
- Demanding schedules
- Available resources
- Always be recruiting
- Identify champions

How can you create your own ETR?

IFTF

ARC EMERGING TECHNOLOGIES ROUNDTABLE

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Jane McGonigal

Future Today Institute

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ARC EMERGING TECHNOLOGIES ROUNDTABLE

Insights / Tech and Service Providers / Article

4 Emerging Te
Need to Know

Deloitte. Insights Strategy Economy & Society Organization People Technology Industries Spot

Leslie Shannon
Head of Trend and Innovation Scouting at Nokia
San Francisco Bay Area
5K followers · 500+ connections
Nokia
Yale University
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New year's resolutions for tech in 2023

January 6, 2023 | Commentary

Amy Webb

Featured Session: Amy Webb Launches 2023 Emerging Tech Trend Report

SXSW

The top tech trends in 2023

AI, building trust in Web3 technologies and boosting cyber resilience: these issues will dominate in 2023, according to experts on LinkedIn.

EMERGING TECHNOLOGIES ROUNDTABLE

https://atlantaregional.org/emerging-technologies-roundtable/

David Giguere

dgiguere@atlantaregional.org