

# The 50<sup>th</sup> Research Conference on Communications, Information and Internet Policy September 16-17, 2022

**Hybrid Conference**  
All times shown are Eastern Time

*Hosted by American University Washington College of Law  
Washington, DC*

## **Friday, September 16, 2022**

8:30 am	Registration and Coffee
9:00 am	Paper Sessions outlined in grid
10:40 am	Coffee Break and Networking
11:05 pm	Paper Sessions outlined in grid
12:45 pm	Lunch and Keynote
2:15 pm	Panels as listed below
3:45 pm	Coffee Break and Networking
4:10 pm	Paper Sessions outlined in grid
5:50 pm	Posters/Reception
6:30 pm	50th Anniversary Celebration Dinner and Panel, Reflections on the Impact of Telecommunications Policy Research Conferences
8:30 pm	Gala Dessert Reception

## **Saturday, September 17, 2022**

8:30 am	Registration and Coffee
9:00 am	Paper Sessions outlined in grid
10:40 am	Coffee Break and Networking
11:05 am	Paper Sessions outlined in grid
12:45 pm	Lunch/Student Paper Awards and Announcements
2:00 pm	Panels listed below
3:30 pm	Coffee Break and Networking
4:00 pm	Paper Sessions outlined in grid

**For complete details and descriptions, please see our website, [www.tprcweb.com](http://www.tprcweb.com).**

## Conference Information

The 50<sup>th</sup> Annual Telecommunications Policy Research Conference will be held in person at Washington College of Law, American University in Washington, DC. There will be a virtual component for those unable to travel. Each registrant will be sent a link to our scheduling tool, SCHED, which will provide information about each of the sessions. Sessions will be recorded and archived for future viewing. Please contact Laura Verinder, [laura.verinder@gmail.com](mailto:laura.verinder@gmail.com) with any questions.

## Conference Registration

Online registration is available at <https://www.tprcweb.com/>.

## Conference Fees

	Early Registration		After August 15	
	Virtual	In-Person	Virtual	In-Person
<b>Student</b>	<b>\$50.00</b>	<b>\$125.00</b>	<b>\$75.00</b>	<b>\$250.00</b>
<b>Author/Presenter/Discussant</b>	<b>\$200.00</b>	<b>\$250.00</b>	<b>\$300.00</b>	<b>\$400.00</b>
<b>Academic</b>	<b>\$250.00</b>	<b>\$455.00</b>	<b>\$350.00</b>	<b>\$600.00</b>
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<b>Corporate</b>	<b>\$495.00</b>	<b>\$695.00</b>	<b>\$595.00</b>	<b>\$850.00</b>

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TPRC 2022 September 16-17, 2022

July 6, 2022- Program Subject to Change

Paper Sessions Friday, September 16

9:00 - 10:40	Spectrum Management and Policy	Internet Inequalities	Broadband Impacts	Digital Economy	Social Dimensions of Communications and Internet Policy (disinformation)
	<p><b>The socio-economic benefits of the 6GHz band: Considering licensed and unlicensed options</b>                      Kalvin Bahia, GSMA</p>	<p><b>A Digital Privacy Divide: How Concerns Over Privacy Reinforce Digital Inequalities</b>                      Bill Dutton, University of Southern California and University of Oxford; Grant Blank, Oxford Internet Institute; and Egle Karpauskaite, Oxford Internet Institute.</p>	<p><b>Need for Speed: Broadband and Student Achievement</b>                      Richard Campbell, University of Illinois at Chicago.</p>	<p><b>The Economics of Privacy: Examining the Intersection between the Issue of Maximizing Economic Profits and the Legal Repercussions of Surveilling Muslims through the Case of the Muslim Pro App</b>                      Ahmed Alrawi, Penn State.</p>	<p><b>Free Speech, Platforms &amp; The Fake News Problem</b>                      Marshall Van Alstyne, Boston University / MIT.</p>
	<p><b>Mitigating conflict situations in spectrum sharing: A localized and decentralized governance approach.</b> Pedro Bustamante, University of Pittsburgh ***</p>	<p><b>The Impact of Broadband on Poverty Reduction in Rural Ecuador</b>                      Hernan Galperin, University of Southern California; and Raul Katz, Telecom Advisory Services/Columbia Business School.</p>	<p><b>When the piper pays – content delivery and consumer outcomes</b>                      Petrus H. Potgieter, University of South Africa, Department of Decision Sciences; and Bronwyn Howell, Victoria University of Wellington.</p>	<p><b>The Role of Transaction Cost Engineering in Standards Adoption: Evidence from Internet Security</b>                      Christopher Yoo, University of Pennsylvania; and David Wishnick, Georgetown University Law Center.</p>	<p><b>Hide and Seek the Truth? – Anonymity and Transparency in the Digital Age</b>                      Amit Schejter, Ben Gurion University of the Negev and Oranim College and Moran Yemini, Herzog &amp; Co..</p>
	<p><b>Spectrum Rights in Outer Space: Interference Management for Mega-constellations</b>                      Randall Berry, Northwestern University; Pedro Bustamante, University of Pittsburgh; Dongning Guo, Northwestern University; Michael Honig, Northwestern University; Whitney Lohmeyer, Olin College of Engineering; Ilia Murtazashvili, University of Pittsburgh; Scott Palo, University of Colorado, Boulder and Martin Weiss, University of Pittsburgh.</p>	<p><b>Understanding Internet Inequity in Chicago: Is it an availability, affordability, or adoption issue?</b>                      Tarun Mangla, University of Chicago; Udit Paul, University of California Santa Barbara; Arpit Gupta, University of California Santa Barbara; and Nicole Marwell, University of Chicago.</p>	<p><b>The Public Good and Public Attitudes Toward Data Sharing through Smart City Technologies</b>                      Karen Mossberger, Arizona State University; Seong K. Cho, Duke Kunshan University; and Pauline Cheong, Arizona State University.</p>	<p><b>Rethinking Peltzman’s Economic Model of Regulation Through Ownership Consolidation and Digitized Media Communication Landscapes</b>                      Sydney Forde, The Pennsylvania State University.</p>	<p><b>Behind Every Good Lie is a Grain of Truth</b> Katherine Kurata, The Fletcher School of Law and Diplomacy at Tufts University ***</p>

F11:05 - 12:45	Spectrum Management and Policy	Broadband Performance	Broadband Technology and Policy	Digital Economy	Social Dimensions to Communications and Internet Policy
	<b>Auctions and Mobile Market Competition: Evidence from European 4G Auctions</b> David Salant, Toulouse School of Economics.	<b>Broadband Labels: Performance and Network Management</b> Scott Jordan, University of California, Irvine.	<b>Machine Learning Analysis of Universal Service Support: Application to the FCC's Healthcare Connect Fund Program</b> Glenn Woroch, University of California.	<b>Interoperability Obligations in Digital Markets: Boon or Bane for Market Contestability?</b> Jan Kraemer, University of Passau and Marc Bourreau, Telecom ParisTech.	<b>À la Carte Cable: A Regulatory Solution to the Disinformation Subsidy</b> Lee Silberberg, University of Minnesota Law School
	<b>Understanding Spectrum Prices in Recent Upper Mid-Band FCC Auctions</b> Ryan Taylor, The Brattle Group; Austin Lajoie, The Brattle Group; and Coleman Bazelon, The Brattle Group.	<b>Understanding the metrics of Internet broadband access: How much is enough?</b> David Clark, MIT; and Sara Wedeman, MIT CSAIL.	<b>Efficiency and Cost-effectiveness of Broadband Voucher Programs</b> Ezezi Ogbo, University of Southern California; Hernan Galperin, University of Southern California and François Bar, University of Southern California.	<b>Vertical Control Change and Platform Organization under Network Externalities</b> Shiva Shekhar, University of Passau; Jorge Padilla, Compass lexecon; and Salvatore Piccolo, Università di Bergamo.	<b>Preserving Human Rights Across the Digital Domain</b> Richard Taylor, Penn State University.
	<b>Good Enough?</b> Coleman Bazelon, The Brattle Group.	<b>Rural consumer internet perspectives: A hard look at quality and policy</b> Angela Hollman, University of Nebraska at Kearney; Tim Obermier, University of Nebraska at Kearney; and Jesse Andrews, University of Nebraska at Kearney.	<b>Smart Contracts: Myths and Implications for Economics and Financial Regulation</b> William Lehr, Massachusetts Institute of Technology.	<b>A Critique of the "Surveillance Capitalism" Thesis: Toward a digital political economy</b> Milton Mueller, Georgia Institute of Technology School of Public Policy	<b>Accountability for limited risk AI system under the AI Act</b> Angelica Fernandez, University of Luxembourg.

4:05-5:40	TPRC 50th Anniversary Retrospectives	COVID Impacts on Communications	Broadband Competition	Privacy Infrastructures	Social Dimensions of Communications and Internet Policy
	<p><b>Becoming an Internet Policy Conference: A Retrospective</b> Marjory Blumenthal, Carnegie Endowment for International Peace.</p>	<p><b>Behind the pandemic: using Covid to understand the digital divide within Spain</b> Covadonga Gijón, UNED - Universidad Nacional de Educación a Distancia and Jason Whalley, Northumbria University.</p>	<p><b>Investments and network performance in Europe: does market structure matter in the 5G era?</b> Pau Castells, GSMA and Kalvin Bahia, GSMA</p>	<p><b>Opening Schrödinger’s Box: An Independent Assessment of Applications and Regulatory Implications of Quantum Technology</b> Joran van Apeldoorn, University of Amsterdam; Joris van Hoboken, University of Amsterdam and Geoff Gordon, The Asser Institute.</p>	<p><b>Digital Vulnerability in the COVID-19 Pandemic in Code Red Neighborhoods of Hamilton, Ontario, Canada</b> Helen Hambly, Regional and Rural Broadband (R2B2) Project, University of Guelph; David Worden, Regional and Rural Broadband (R2B2) Project, University of Guelph; Cyrus Tehrani, Chief Digital Officer, City of Hamilton; and Richelle Desjardins-Desrochers, Regional and Rural Broadband (R2B2) Project, University of Guelph.</p>
	<p><b>History of TPRC Research: 1972 - 2022</b> Janice Hauge, University of North Texas.</p>	<p><b>Health Code Apps at the Crossroad of Biopolitics, Technopolitics, and Geopolitics</b> Wenhong Chen, The University of Texas at Austin.</p>	<p><b>A Game of Quality Competition Among ISPs</b> Andrew Kearns, Northeastern University.**</p>	<p><b>The standardization of lawful interception technologies in the 3GPP</b> Christoph Becker, University of Amsterdam; Niels ten Oever, University of Amsterdam; and Riccardo Nanni, University of Bologna.</p>	<p><b>Between proactive or reactive regulation: a historical and cross-country analysis of Internet policies in the Americas</b> Kimberly Anastácio, American University; Chelsea Horne, American University and Mariana Sanchez, American University</p>
	<p><b>Learning from the neighbors: The diffusion of state broadband policies in United States (1991-2021)</b> Ryan Wang, Donald P. Bellisario College of Communications, Penn State University and Krishna Jayakar, Donald P. Bellisario College of Communications, Penn State University.</p>	<p><b>Onlining in the Time of Covid: Broadband Infrastructure and U.S. School District Policy During the Pandemic</b> Kenneth Flamm, LBJ School of Public Affairs, University of Texas at Austin.</p>	<p><b>What’s In a Label?</b> Paroma Sanyal, The Brattle Group; and Divya Goel, The Brattle Group.</p>	<p><b>Building an Authentication Infrastructure</b> Zitao Zhang, Indiana University Bloomington and L. Jean Camp, Indiana University Bloomington.</p>	<p><b>Reckless Associations</b> Jane Bambauer, University of Arizona; Saura Masconale, University of Arizona; and Simone Sepe, University of Arizona.</p>

Paper Sessions Saturday September 17, 2022

9:00 - 10:40	Spectrum Management and Policy	Privacy and the State	Broadband Technology and Policy	Privacy	Broadband Technologies and Policy
	<p><b>Spectrum Sovereignty on Tribal Lands: Assessing the DIGITAL Reservations Act</b> Darrah Blackwater, Independent; Ilia Murtazashvili, University of Pittsburgh; and Martin Weiss, University of Pittsburgh.</p>	<p><b>The Patchwork of State Data Privacy Laws and Competition and Opportunity in Digital Markets</b> Jennifer Huddleston, NetChoice.</p>	<p><b>Economic Impact of Asymmetric Paid Peering: Implications from the Netflix vs. SK Broadband Dispute</b> Toshiya Jitsuzumi, Chuo University</p>	<p><b>Entity of the State: The Transparency of Restricting Telecommunications Firms as Threats to America's National Security</b> Benjamin W. Cramer, Bellisario College of Communications, The Pennsylvania State University</p>	<p><b>The spatiality of connectivity: a spatial analysis of public Wi-Fi locations in New York City</b> Ryan Wang, Donald P. Bellisario College of Communications, Penn State University</p>
	<p><b>Using Spectrum Allocations to Address Indigenous Policy Obligations: the case of New Zealand</b> Bronwyn Howell, Victoria University of Wellington; and Xin Tang, Victoria University of Wellington.</p>	<p><b>Beyond digital protectionism?: Comparing personal data regulation frameworks in China, India, and South Korea</b> Rohan Grover, University of Southern California Annenberg School for Communication and Journalism, Kyoeeun Jang, University of Southern California Annenberg School for Communication and Journalism and Li Wen Su, University of Southern California Annenberg School for Communication and Journalism / London School of Economics</p>	<p><b>Validating ISP Broadband Speed Labels: Challenges and Considerations</b> Kyle MacMillan, University of Chicago; Tarun Mangla, University of Chicago; and Nick Feamster, University of Chicago.</p>	<p><b>The Causes of Seasonality in Breach Reports and Policy Implications</b> Karl Grindal, Georgia Institute of Technology.</p>	<p><b>Estimating Global Investment Needs for Universal Mobile Broadband Infrastructure</b> Edward Oughton, George Mason University; David Amaglobeli, International Monetary Fund and Mariano Moszoro, International Monetary Fund.</p>
	<p><b>Use It or What?</b> Gregory Taylor, University of Calgary.</p>	<p><b>Data Protection Gatekeepers post-GDPR: A fuzzy-set qualitative comparative analysis (fsQCA) across data protection authorities</b> Ido Sivan-Sevilla, University of Maryland.</p>	<p><b>Are the Settlement-Free Peering Policy Requirements for ISPs and CDNs Based on Network Costs?</b> Ali Nikkhah, University of California, Irvine and Scott Jordan, University of California, Irvine</p>	<p><b>Digital Sovereignty and Resilience</b> David Tipper, University of Pittsburgh and Prashant Krishnamurthy, University of Pittsburgh .</p>	<p><b>Internets: The changing role of Internet Protocols in evolving broadband technologies</b> Dana Cramer, Ryerson University.</p>



11:05 - 12:45	Spectrum Management and Policy	Privacy	Broadband Competition	Broadband Performance	Privacy and Identity
	<b>Dispelling Revisionist Myths Regarding Spectrum Property Rights in the 1920s</b> Charles Jackson, JTC.	<b>Positive or zero-sum game: When privacy by design meets dark patterns</b> Kamesh Shekar, The Dialogue; Karthik Venkatesh, The Dialogue, and Kazim Rizvi, The Dialogue.	<b>Digital Disregard: A Case for Amending Quebec's Children Advertising Legislation</b> Erika Solis, Penn State University; Sydney Forte, Penn State University; and Yasemin Beykont, Penn State University	<b>Benchmarks or Equity? A New Approach to Measuring Internet Performance</b> Nick Feamster, University of Chicago and Nicole Marwell, University of Chicago.	<b>Personal data on sale</b> Fernando Beltran, University of Auckland Business School.
	<b>Regulation of Radio Frequency Communications: The Untold History of "Harmful Interference"</b> Peter Tenhula, University of Colorado, Silicon Flatirons Center.	<b>My Browser is not a Billboard: Experimental Evidence on Ad-blocking Adoption and Users' Acquisition of Information</b> Niklas Fourberg, Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK); Serpil Tas, Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK); and Lukas Wiewiorra, Wissenschaftliches Institut für Infrastruktur und Kommunikationsdienste (WIK).	<b>Impact of Municipal and Cooperative Internet Provision on Broadband Entry and Competition</b> Tianjiu Zuo, Duke University and Michelle Connolly, Duke University.	<b>Enabling broadband quality competition through speed disclosures</b> Andreas Carlos Freund, Columbia University and Henning Schulzrinne, Columbia University.	<b>Information Technologies or Technologies of Repression? Critiquing the roll-out of Digital Identities in Africa</b> Babatunde Okunoye, Berkman Klein Centre Harvard University//University of Johannesburg
	<b>Amateur Radio as a Polycentric Governance System: Approaches for Reform</b> Pedro Bustamante, University of Pittsburgh; Marcela Gomez, University of Pittsburgh; William Lehr, Massachusetts Institute of Technology; Ilia Murtazashvili, University of Pittsburgh; Ali Palida, University of Pittsburgh and Martin Weiss, University of Pittsburgh.	<b>Obstacles to Text- and Datamining Research: Copyright, Corporations, and Confusion</b> Patricia Aufderheide, American University and Brandon Butler, University of Virginia.	<b>Universal broadband assessment of Low Earth Orbit satellite constellations: Evaluating capacity, coverage, cost, and environmental emissions</b> Bonface Osoro, George Mason University; and Edward Oughton, George Mason University.	<b>Crowdsourced QoS Evaluation in Broadband: Data Analytics Challenges and New Approaches</b> Cise Midoglu, Simula Metropolitan Center for Digital Engineering (SimulaMet).	<b>When to Collect Demographically Identifiable Information (DII)? A Framework for Balancing Human Rights in the Big Data Era in the Public Sector: Qualitative Study</b> Anna Lenhart, University of Maryland.

4:00-5:40	Spectrum Management and Policy	Digital Economy	Broadband Infrastructure Trends	Broadband Competition	Social Dimensions to Communications and Internet Policy
	<b>Fast Interference Management</b> John Chapin, National Science Foundation.	<b>Assessing factors influencing the adoption of Technology in the Port Supply Chain Industry in West Africa Sub-region: A case study of Integrated Customs System in Ghana</b> Ahmed Antwi-Boampong, Ghana Communications Technology University; David King Boison, Ghana Communications Technology University and Josephine Agbedoawu, University of the Witwatersrand.	<b>How to build new infrastructure--lessons from the past</b> David Gabel, Queens College.	<b>Picking favorites: A look at local subsidized entry in the wireline broadband market</b> Yong Paek, The Brattle Group and Paroma Sanyal, The Brattle Group.	<b>Friction-by-design regulation as 21st century time, place and manner restriction</b> Brett Frischmann, Villanova University.
	<b>Auction 107 (C-Band): Policy Overview and Closing Bid Price Analysis of Expedited Access due to \$9.7B in Accelerated Relocation Payments to Incumbent Satellite Operators</b> Pranavi Boyalakuntla, Olin College of Engineering; Gati Aher, Olin College of Engineering; Grant Miner, Olin College of Engineering; Lieselotte Heinrich, Olin College of Engineering; Yuxiang Mao, Olin College of Engineering; Phillip Post, Olin College of Engineering; Armand Musey, Summit Ridge Group and Whitney Lohmeyer, Olin College of Engineering.	<b>Do mobile applications give competitive advantage to Small and Medium Enterprises? Lessons from Indonesia</b> Karto Adiwijaya, University of Indonesia; Ibrahim Rohman, University of Indonesia; and Moinul Zaber, United Nations University.	<b>Purposeful Mobile Internet Adoption and Use in U.S. Counties: A Geodemographic and Socioeconomic Analysis</b> Avijit Sarkar, University of Redlands; and James Pick, University of Redlands.	<b>Swords and Shields: Impact of Private Standards in Technology-Based Liability</b> Gary Marchant, ASU - College of Law.	<b>Community-based research to inform the City of Long Beach's Data Privacy Guidelines</b> Gwen Shaffer, California State University Long Beach.
	<b>How I Learned to Stop Worrying and Love the Windfall</b> Joe Kane, Information Technology and Innovation Foundation.	<b>Wearables from head to toe: Are they friend or foe? - An empirical landscaping of health and fitness wearables and apps in six countries to identify emerging policy challenges</b> Anna Schneider, Fresenius University of Applied Sciences; and Rene Arnold, Huawei.	<b>The solution is in the details: Building cybersecurity capacity in Europe</b> Patricia Esteve-Gonzalez, University of Oxford; Sadie Creese, University of Oxford; William Dutton, University of Oxford; Michael Goldsmith, University of Oxford; Eva Nagyfejeo, University of Oxford; Jamie Saunders, University of Oxford; Basie von Solms, University of Johannesburg; and Carolin Weisser Harris, University of Oxford.	<b>Emerging Policy and Regulatory Regimes for Digital Platforms: Lessons for U.S. Competition Policy</b> Tiago Sousa Prado, Michigan State University and Johannes Bauer, Michigan State University.	<b>Assessing the Depth and Importance of the Privacy Policies of Children's MMO Games</b> Erika Solis, Penn State University

## Panel Sessions

### Friday Gala Dinner Panel

#### Reflections on the impact of Telecommunications Policy Research Conferences

In the 50 years since the first TPRC, the industry has undergone a sea change; the landscape has altered dramatically with new players, new technologies and transformed regulatory practices. Initially the concerns were telephony and media issues, primarily cable television services. Now the internet dominates with concerns about e-commerce, privacy, social media, infrastructure and all the underlying problems of competition, investment, trade and market shaping. Earlier issues have faded. The early conferences had significant influence on policy with transformative issues such as privatization addressed in the very first conference. In subsequent years, not just the telephone companies but other state owned enterprises were privatized. In the early years, only a few academics discussed the sale of electromagnetic spectrum or competition as a substitute for regulation – ideas that are now commonplace. Few could have imagined the breaking up of AT&T in 1972. The TPRC at first focused on a narrow scope of economic issues but later included legal dimensions. In the following years the meetings were much broader as the interrelated relevance of many topics became clear such as comparative international experiences, social and cultural impacts, ethics, systems architecture, financial models, technical functionalities, security and even geopolitical rivalries. While policy papers had been written by others long before 1972, TPRC was and is a conference which attempts to connect policymakers with academic research – and researchers with issues confronting policymakers. These conferences have pushed federal and state agencies to hire more economists and for policymakers to listen to their arguments. It has encouraged graduate students to become involved in communications studies. This panel will reflect on the impact and history over the last fifty years of TPRC and address the future of research in these areas. Two panel members were involved with the first TPRC conference and have been active in communications policy in government and industry as well as within the academy over the past 50 years. They will opine on the impact of research on policy and that of policy on research. The history of the nexus between policy and research is examined by another panel member. Another panel member will discuss the application of the policies, in particular privatization: what worked, what did not and what was omitted. The last member will examine current and future issues based on experiences reviewing and awarding research grants.

Panel:

- Introduction/Overview: Research's impact on policy: James Alleman, University of Colorado – Boulder. Chair
- Policy's impact on research: Gerry Faulhaber, Wharton School of the University of Pennsylvania.
- The nexus of research and policy: a historical perspective: Jonathan Liebenau, London School of Economics
- Guns, Graft and Sex: How the Sometime Messy Road To Telecoms Privatizations Led to Macroeconomic Success: Judith O'Neil, Nakhota.
- Research Funding: next generation internet: Loretta Anania\* European Commission

**Friday, September 16, 2:15 pm**

#### The future of reverse auctions

In 2010, the National Broadband Plan called for the FCC to use competitive bidding to award universal service fund (USF) support to bring broadband to high cost areas. Over the next decade, the FCC conducted four reverse auctions that awarded close to \$11 billion: the Mobility Fund Phase I auction (Auction 901), the Tribal Mobility Fund Phase I auction (Auction 902), the Connect America Fund Phase I auction (Auction 903), and the Rural Digital Opportunity Fund auction (Auction 904). The FCC's reverse auction program evolved as each auction built upon lessons learned from prior auctions while incorporating emerging policy considerations. Not surprisingly, each auction has supporters and detractors, most recently Auction 904, which was conducted in 2020. And each auction has been the focus of research examining the efficiencies that were realized and how the Commission's design choices affected auction outcomes. Looking forward, \$42.5 billion in broadband funding will be distributed through NTIA's Broadband, Equity, Access, and Development (BEAD) program, which requires states and territories to use a competitive selection process. Some have called for this unprecedented amount of funding to be allocated using reverse auctions to maximize the impact of these funds. This panel brings together researchers that have examined FCC reverse auctions, former FCC staff that implemented and designed these auctions, and commentators on broadband deployment programs to discuss and debate the future of using reverse auctions to award broadband funding.

Moderator: Michael Janson, FCC

Panelists:  
To be announced

### **Financing mechanisms for community-owned internet infrastructure**

The panel will discuss the ecosystem of financial sustainability strategies that community networks have employed in recent years to bridge the digital divide in their communities.

The panel will cover the spectrum of financing mechanisms – from fully commercial sources of capital to blended finance and targeted government subsidies to community grants – with case studies that highlight approaches from both rural communities in the global North and developing countries in the global South.

Moderator: Ben Matranga, Connectivity Capital

Panelists:  
Jane Coffin, Connect Humanity  
Steve Song, Association for Progressive Communications (APC)  
Jim Forster, Connectivity Capital  
Carlos Rey-Moreno, Association for Progressive Communications (APC)

### **Public Policy for the Metaverse: Competition, Innovation, and Protections**

The metaverse has been emerging for 20 years but accelerated in late 2021 when Facebook changed its name to Meta. In the metaverse, seemingly anything is possible. You can work, engage in immersive games, repair equipment, hold meetings, or visit museums with friends scattered across the globe. The metaverse is emerging from the convergence of online industries, including gaming, social media, fintech, cryptocurrency, and business computing. There are wide ranging opinions as to the advantages and challenges that each type of legacy industry faces in the metaverse. But this space is rapidly evolving, and it has outpaced controls and social norms that regulate behavior. As such, in some areas of the metaverse there is a growing dark side: the presence of unacceptable behaviors, including harassment, financial fraud, unchecked gambling, and data exploitation. This panel will help TPRC participants understand how the metaverse is evolving, the competitive and regulatory forces shaping it, and the dark side. Questions for the panel include: How is the metaverse evolving? What are the market forces? What types of companies will succeed, and which might fade into history? Who should determine the rules for metaverse platforms? What should service providers be allowed to know about their users and how can they use that information? What are the risks for children and other vulnerable groups, and what protections should be in place for them?

Moderator: Mark Jamison, American Enterprise Institute and University of Florida

Panelists: Juan Londoño, Policy Analyst, Information Technology and Innovation Foundation

Other panelists to be announced.

**Saturday, September 17, 2 pm**

**Lessons from Past and Current Policy Experiments for Future U.S. Broadband Policy**

This panel will critically examine broadband policy in the U.S. by interrogating lessons from past and current infrastructure programs and comparing them to emerging federal subsidy programs. It explores whether broadband policy has evolved sufficiently to address or redress unresolved problems from the last decade. A starting conjecture is whether sustainable forward-looking policy will require aligning supply-side and demand-side programs as well as complementary measures across local, state, and federal levels. The discussion will broadly examine the constraints and opportunities embedded in policies of the last decade to help answer a fundamental question: what actions can researchers and nonprofits undertake now to help individuals and communities avoid the insanity cycle that is embedded in U.S. broadband policy?

Moderator: Alexis Schrubbe, Merit Network

Panelists:

Angela Siefer, National Digital Inclusion Alliance  
Anna Reed, The Pew Charitable Trust  
François Bar, University of Southern California  
Johannes M. Bauer, Michigan State University  
Joshua D. Edmonds, City of Detroit Office of Digital Inclusion  
Sharon Strover, University of Texas at Austin

**The Global Impact of TPRC: A retrospective view from offshoot conferences in Asia/Africa (CPRSOUTH), Latin America (CPR Latam) and Europe (EuroCPR).**

Policy expertise and capacity building opportunities for ICT scholars and policymakers are often lacking in the Global South. Further, there are few opportunities for cross dialogue and knowledge sharing between industry, academia and government. Inspired by the success of TPRC (and later EuroCPR), two conferences were launched in the mid 2000s to address this gap: CPRSouth, which focused on South Asia and Africa, and CPR Latam, which focused on Latin America. Both shared the objective of creating a space for policy dialogue and knowledge sharing between ICT scholars and policymakers. This panel explores the contribution of TPRC-inspired conferences in different continents, with a strong focus on impacts in policy formation and capacity building in the ICT sector. Panelists will trace the different trajectories of these conferences, and reflect on their impacts on local policy capacity and their contributions to the broader academic field.

Moderator: Robin Mansell, Professor, London School of Economics (LSE, UK/Canada).

Panelists:

Alison Gillwald, Executive Director, Research ICT Africa and Adjunct Professor, University of Cape Town (CPRSOUTH co-founder, South Africa).  
Hernan Galperin, Associate Professor, University of Southern California (CPR Latam co-founder, Argentina/US)  
Judith Mariscal, Executive Director, Centro Latam Digital, CIDE (CPR Latam co-founder, Mexico).  
Rohan Samarajiva, Chair, LIRNEasia (CPRSOUTH founder, Sri Lanka).  
Roxana Barrantes, Professor, Pontificia Universidad Católica del Perú and Instituto de Estudios Peruanos (CPR Latam co-founder, Peru).

