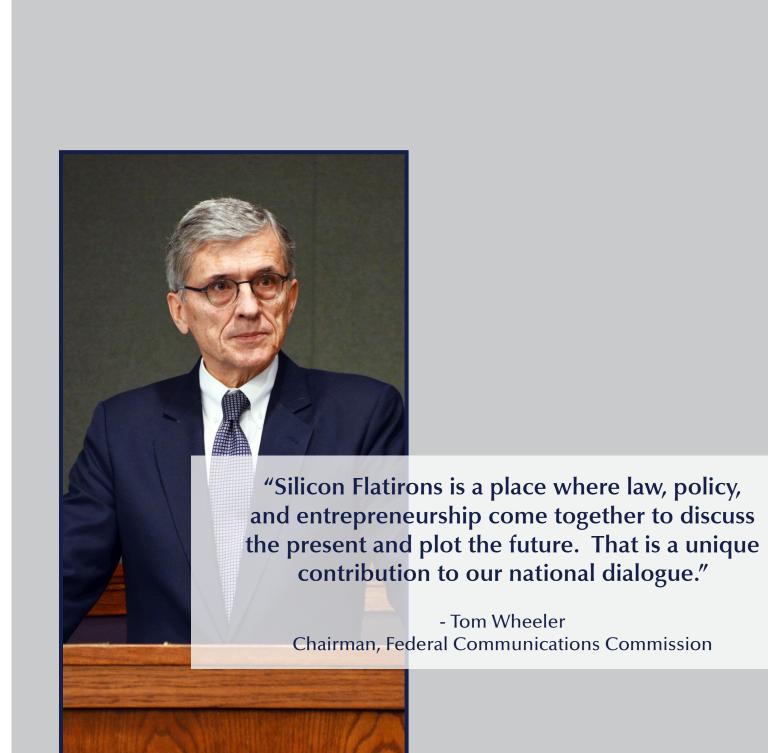


# 2014 Annual Report 15<sup>th</sup> Anniversary Edition



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Dear SFC Friends & Supporters,

As I write this letter, Silicon Flatirons is winding up its 15<sup>th</sup> year. During the past 15 years, we have provided **policy leadership**, supported **entrepreneurship and innovation**, and helped to **develop talented professionals**. On all fronts, we have done so through interdisciplinary collaboration, community engagement, and developing insights that push the boundaries of knowledge. In this annual report, we do far more than look back on the last year; we will also highlight what we have accomplished over our first 15 years.

#### POLICY LEADERSHIP

In just over a decade, the phrase "network neutrality" went from an academic curiosity discussed at our Broadband Digital Migration Conference for the first time (in February 2003) to a concept embraced by the President of the United States. Similarly, concepts around privacy harm and moving beyond "command-and-control" regulation in wireless spectrum also

gained currency at our conferences. It is thus no accident that three of our senior fellows—Jonathan Sallet, Gigi Sohn, and Phil Verveer—ended up as top advisors to FCC Chairman Tom Wheeler and that both FCC Chairman Wheeler and FTC Chairwoman Edith Ramirez are returning this February for our February 8-9<sup>th</sup> Digital Broadband Migration Conference. Last year, Chairman Wheeler captured our aspirations, concluding that "Silicon Flatirons is a place where law, policy, and entrepreneurship come together to discuss the present and plot the future. That is a unique contribution to our national dialogue."

#### **Entrepreneurship and Innovation**

Entrepreneurship and innovation are changing our society. Silicon Flatirons is committed to making CU-Boulder a top-flight university for entrepreneurship by engaging our tremendous entrepreneurial community. As Brad Feld described our effort, "Silicon Flatirons turned the university inside-out. They've propelled CU-Boulder to the point where it is now an entrepreneurial university." By serving as an Applications Programming Interface (API) to a range of communities, we engage broader audiences, from those on campus—for example, by hosting the New Venture Challenge—to those in the Front Range startup scene—for example, by hosting Startup Colorado—to those scaling up promising emerging growth companies, for example, by hosting the Blackstone Entrepreneurs Network.

Such efforts are gaining attention. Citing our sponsorship of the Blackstone Entrepreneurs Network, Forbes ranked CU-Boulder as one of the top 20 entrepreneurial universities in the US. On the heels of this recognition, CU-Boulder Chancellor Phil Distefano's 2014 State of the Campus put entrepreneurship front

and center in his address, emphasizing that entrepreneurship is part of CU-Boulder's brand and identity. As a doer and a thought leader, we are committed to both spurring and understanding entrepreneurship and innovation. To that end, conferences such as ones focused on Understanding Disruptive Innovation and Sci-Fi and Entrepreneurship and research reports such as ones focused on cybersecurity in health care and energy, the Denver Startup Scene, University Outreach, Health Care Innovation, and boundary jumping are plowing new ground and highlighting the way forward for us and others.

#### TALENT DEVELOPMENT

At Silicon Flatirons, we are committed to developing creative problem solving professionals who are engaged across disciplines and who have entrepreneurial attitudes. (More generally, this spirit drives Colorado Law's strategy to adapt to the changing realities of legal education.) For two powerful examples of what we are doing, consider the Dale Hatfield Scholars Program, which places students in technology policy internships in Washington, D.C. and the Technology Lawyer Accelerator, which places students with technology companies after completing a rigorous boot camp. These innovative programs, which are exceptionally well received by students and employers, have received media attention in places like the *New York Times*. We also provide a range of opportunities for members of our community to raise their creative problem solving skills, multi-disciplinary engagement, and entrepreneurial perspective through a range of public-facing programing such as our Crash Courses and Entrepreneurs Unplugged events.

#### SUMMING UP

Whenever I see you next, I look forward to your involvement in Silicon Flatirons. I also encourage you to be in touch with our initiative directors, Brad Bernthal, Kristelia Garcia, Paul Ohm, Blake Reid, and our Program Director Anna Noschese (anna.noschese@colorado.edu) or myself (phil.weiser@colorado.edu) as you have ideas or suggestions for us. We are excited for the next fifteen years, looking forward to continued experimentation and boundary jumping as we drive policy leadership, entrepreneurship and innovation, and talent development in Colorado, the United States, and the world.

Cheers,

Phil Weiser



# AN ELEVATED NETWORK CELEBRATING 15 YEARS OF WHAT'S NEXT

### THE SILICON FLATIRONS MISSION:

#### **ELEVATE THE TECHNOLOGY POLICY DEBATE**

- Silicon Flatirons is where network neutrality—quite literally—got its name, was developed as a concept, and adopted by the FCC Chairman as a policy goal.
- Silicon Flatirons is the place where tomorrow's privacy issues get examined today.
- Silicon Flatirons sets the agenda for cutting-edge spectrum policy directions.
- Silicon Flatirons prides itself on interdisciplinary engagement, intellectually honest discussions, and a rare blend of policy, practice, and academic theory.

#### SUPPORT ENTREPRENEURSHIP AND INNOVATION

- Silicon Flatirons curates an innovation scene marked by mentorship, knowledge spillovers, and legal support for startups.
- Silicon Flatirons creates a high velocity of interaction between a leading research university, CU-Boulder, and a world-class startup scene in Colorado's Front Range.
- Silicon Flatirons is the platform that supports and enables the Blackstone Entrepreneurs Network in Colorado and Startup Colorado.

#### **DEVELOP TALENTED PROFESSIONALS**

- Silicon Flatirons creates real world experiences and connections for CU students by providing a range of unique extracurricular opportunities, competitions, team based projects and summer internship programs.
- Silicon Flatirons helps place 50-60 student interns each year at law firms, tech companies, start-ups, and corporations through the Tech Lawyer Accelerator, Startup Summer, and DC/Hatfield Scholars programs.

#### **TECHNOLOGY POLICY INITIATIVE**

This initiative was developed to attract policy leaders, legal and business professionals, and entrepreneurs to discuss the challenges and opportunities of various technology policy issues. The Silicon Flatirons annual Digital Broadband Migration conference provides a unique forum for a series of conversations around the future of telecommunications and Internet regulation.

#### **E**NTREPRENEURSHIP INITIATIVE

The Entrepreneurship Initiative plays an important role at CU-Boulder, one of the nation's leading entrepreneurial public universities. Silicon Flatirons catalyzes connections across the CU-Boulder campus and the regional startup ecosystem. Silicon Flatirons helps educate the next generation of entrepreneurs, highlights industry thought leaders, and regularly convenes creative class talent in the Front Range's startup community.

#### PRIVACY INITIATIVE

Information privacy has emerged as one of the most vital, contested, and important areas of debate in technology law and policy. Silicon Flatirons devotes a considerable amount of time and energy to this field, sponsoring an annual conference on information privacy that has become one of the most important venues for debate; housing scholars at the center of thought leadership on the topic; and training students to become the next generation of lawyers, advisors, and policymakers in the field.

#### **IP/IT** INITIATIVE

Silicon Flatirons hosts a yearly patent conference focusing on competition policy and software patent challenges. Our Entrepreneurial Law Clinic allows students interested in patent prosecution to develop real-world experience in collaboration with the new U.S. Patent Office branch opening in Denver.

#### SPECTRUM POLICY INITIATIVE

Wireless devices and services are essential to modern society. They enable a host of economic, cultural and scientific activities, and are essential to national defense, homeland security, and protecting life and property. This initiative focuses on questions where technical considerations shape public policy decisions about wireless products and services. It has a particular interest in ways to prevent and resolve conflicts that impede the full realization of the value of wireless for individuals, organizations and society at large.

## HATFIELD SCHOLARS AND RESEARCH PROGRAM

Designed to encourage student interest in public service by providing grants for summer internships in government or public interest positions, the program has already helped bring numerous students to Washington, D.C., to take positions in government and non-profit organizations since it was established in 2006.

# Institute for Regulatory Law and Economics (IRLE)

The Institute for Regulatory Law & Economics (IRLE) is sponsored by the Silicon Flatirons Center as a means of supporting thoughtful regulatory decision-making. The IRLE hosts a five-day seminar geared towards educating state regulators about economic analysis of regulatory policy issues as well as engages in state outreach activities.

#### Law School Innovation Initiative

The changing legal landscape has put pressure on legal education, and law schools are considering reinvention to respond to these forces. Through conferences, roundtables, white papers, and research, Silicon Flatirons convenes and engages the brightest and most forward-looking thinkers in the national and international conversation over the future of the legal profession and legal education.



Phil Weiser Executive Director

Phil Weiser is the Dean of the Law School, Thompson Professor of Law, and Executive Director and Founder of the Silicon Flatirons Center for Law, Technology, and

Entrepreneurship at the University of Colorado. Dean Weiser re-joined the Colorado faculty in June, 2011. From April 2010-June 2011, he served as the Senior Advisor for Technology and Innovation to the National Economic Council Director at the White House. From July 2009-April 2010, he served as the Deputy Assistant Attorney General at the United States

Department of Justice's Antitrust Division. Since first joining the CU faculty in 1999, Dean Weiser has worked to establish a national center of excellence in telecommunications and technology law, founding the Colorado Technology Law Journal and the Silicon Flatirons Center as well as writing and teaching in the areas of competition policy, innovation policy, and Internet policy.



Dale Hatfield Co-Director of the Spectrum Initiative

Dale Hatfield is currently a Senior Fellow at the Silicon Flatirons Center for Law, Technology, and Entrepreneurship

and an Adjunct Professor in the Interdisciplinary Telecommunications Program – both at the University of Colorado at Boulder. Prior to joining the University of Colorado, Hatfield was the Chief of the Office of Engineering and Technology at the Federal Communications Commission (FCC) and, immediately before that, he was Chief Technologist at the Agency. He retired from the FCC and government service in December 2000. Professor Hatfield has nearly fifty years of experience in telecommunications policy and regulation, spectrum management and related areas.



Kristelia Garcia
Director of the Content Initiative

Kristelia García joins Colorado Law as an Associate Professor, teaching trademark, property, and copyrightrelated courses and working with

the Silicon Flatirons Center for Law, Technology, and Entrepreneurship as Director of the Content Initiative. Her research is focused on the intersection of law and technology, especially comparative efficiency, access, and the role and influence of technology on growth, innovation and public policy.



Brad Bernthal Entrepreneurship Initiative Director

Brad Bernthal is an Associate Professor of Law at the University of Colorado and the Director of the Entrepreneurship Initiative at the Silicon Flatirons Center for

Law, Technology, and Entrepreneurship. Professor Bernthal specializes in entrepreneurial law and innovation policy. In addition to his doctrinal teaching, Professor Bernthal leads the Entrepreneurial Law Clinic, which provides legal help to about 20 startups each year. Professor Bernthal also teaches in the Interdisciplinary Telecommunications Program ("ITP") and his experience includes telecommunications and spectrum policy research. Prior to joining the Colorado Law faculty, Professor Bernthal served as a Silicon Flatirons Fellow from 2005-2007.



Pierre de Vries Co-Director of the Spectrum Initiative

Pierre de Vries is a Senior Adjunct Fellow at the Silicon Flatirons Center for Law, Technology, and Entrepreneurship

and researches and advises clients on the intersection of information technology and government policy. His current projects include regulatory paradigms for the Internet/web, alternative conceptual models for wireless policy, spectrum allocation in the TV white spaces, and the impact of intangibility on decision-making in the digital world. He is also a technology advisor to the Washington, D.C., law firm of Harris Wiltshire & Grannis. He is a former Chief of Incubation and Senior Director of Advanced Technology and Policy at Microsoft Corporation.



Paul Ohm
Privacy and IP/IT Initiative Director

Paul Ohm is an Associate Professor at the University of Colorado Law School and the Director of the Privacy and IP/IT Initiative at the Silicon Flatirons Center

for Law, Technology, and Entrepreneurship. He specializes in information privacy, computer crime law, intellectual property, and criminal procedure. He teaches courses in all of these topics and more. In his work, Professor Ohm tries to build new interdisciplinary bridges between law and computer science. Much of his scholarship focuses on how evolving technology disrupts individual privacy. His article Broken Promises of Privacy: Responding to the Surprising Failure of Anonymization, 57 UCLA Law Review 1701, has sparked an international debate about the need to reshape dramatically the way we regulate privacy.



Blake Reid Director of Fellowships and Special Projects

Blake Reid is an Assistant Clinical Professor of Law at Colorado Law and the Director of Fellowships and Special

Projects at the Silicon Flatirons Center for Law, Technology, and Entrepreneurship. He directs Colorado's Samuelson-Glushko Technology Law and Policy Clinic (TLPC), where he and his students advocate for policy change in the public interest on issues of telecommunications, intellectual property, privacy, accessibility, and more.

"I'm so proud to be part of the Silicon Flatirons family. SFC events are wonderful, and they do so much to educate students and elevate the debate. I love the network of thoughtful, engaged individuals that make up the SFC community."

- Jill Dupre, Associate Director of ATLAS, University of Colorado

"Working as a Silicon Flatirons fellow was one of the most rewarding experiences I could have hoped for after graduating from law school. The skills I was able to hone while there not only helped me when I moved on to practice law at a firm, but also in my day-to-day life."



- Ben Abell, Associate, Davis Graham & Stubbs, LLP



"Whether you're a student or long out of school, Silicon Flatirons offers a variety of substantive ways to learn about the intersection of law, technology and business and to build a strong network of talented professionals. Silicon Flatirons is the shining star of CU Law."

- Dave Mangum, Associate, Dorsey & Whitney LLP

"Silicon Flatirons has been a primary source of rich intellectual development and nurturing camaraderie. The exposure to novel issues and the opportunity to explore both the policy and technical aspects of such important topics is unparalleled. As a student and research fellow I had access to exceptional mentors who prepared me for my work at the FCC."

- Madelaine Maior, Attorney Advisor, Wireless Telecommunications Bureau, Federal Communications Commission

#### SILICON FLATIRONS FELLOWSHIP PROGRAM

Silicon Flatirons Fellows conduct research, lead community outreach programs, and coordinate educational programming in the areas of entrepreneurship, innovation policy, transactional law, intellectual property, privacy, spectrum policy, and telecommunications policy. Over the years, the Fellowship has grown in prestige. Alumni of the Fellowship Program include individuals in academia, private legal practice, startups and emerging companies, government, and non-profits

#### 2014 Fellows

Tyler Cox, Technology Policy John Delva, Startup Colorado Andy Evans, Entrepreneurship

#### PAST FELLOWS

Brad Bernthal, 2005 Jill Dupre, 2006 Jill Rennert, 2007 Paul Shoning, 2008 Dave Heal, 2009 Wendy Seltzer, 2009 Kaleb Sieh, 2009 Beth Hartman, 2010 Therese Kerfoot, 2011 David Mangum, 2011 Ben Abell, 2012 Matt Burns, 2012 Madelaine Maior, 2012 Dietrich Hoefner, 2013 Laura Littman, 2013 Mystery Murphy, 2013

# SENIOR FELLOWS



Sam Arbesman Associate of the Institute for Quantitative Social Science Harvard University



Mark Cooper
Director of Research
Consumer Federation of America



Jill Dupre
Associate Director of ATLAS
University of Colorado



Pierre de Vries
Former Chief of Incubation & Senior
Director of Advanced Technology
and Policy
Microsoft Corporation



Raymond Gifford
Partner
Wilkinson Barker Knauer, LLP;
Former Chairman
Colorado Public Utilities Commission



Dale Hatfield
Adjunct Professor
University of Colorado;
Former Chief Engineer
Federal Communications Commission



Gene Kimmelman President and CEO Public Knowledge



William Levis Former Consumer Counsel State of Colorado



Bill Mooz Scholar in Residence & Strategy Officer University of Colorado Law School



David Reed Scholar in Residence, Interdisciplinary Telecommunications Program University of Colorado



Doug Sicker
Department Head & Professor
Engineering and Public Policy
Carnegie Mellon University



Bryan Tramont Managing Partner Wilkinson Barker Knauer, LLP



The Silicon Flatirons Center at CU-Boulder elevates the national technology policy discourse and lifts the Front Range's innovation community. The Silicon Flatirons network is now over 15,000 members strong. Policy makers, scholars, entrepreneurs, legal and business professionals, engineers, and students rely upon Silicon Flatirons to illuminate what matters in the world of technology. During the 2014-15 year, we are delighted to celebrate 15 years of what's next in technology policy, innovation, and entrepreneurship.





#### ELEVATE THE TECHNOLOGY POLICY DEBATE



"The emphasis on openness not only facilitates access by end users but also facilitates the interconnection of the private and public networks of which the Internet is comprised."

Dale Hatfield, Adjunct Professor, University of Colorado;
 Senior Fellow, Silicon Flatirons Center, 2006

"One of the issues the FTC needs to pay close attention to in regards to anti-trust issues is looking at the difference between competition within a platform and cross-platform competition."



- Maureen Ohlhausen, Commissioner, Federal Trade Commission, 2013



"I don't think regulators are dumb and companies are smart. I think they're both dumb. It's just that markets usually correct errors quicker than regulators."

- Raymond Gifford, Partner, Wilkinson Barker Knauer, LLP, 2004

"Two clichés sum up the telecommunications policy world for the past half dozen years. First, the only constant is change. Second, the more things change, the more they stay the same."



- Jonathan Nuechterlein, Partner, WilmerHale, 2006

Alessandro Acquisti, Associate Professor, Heinz College, Carnegie Mellon University - 2011

David Clark, Senior Research Scientist, MIT - 2014

Mark Cooper, Research Director, Consumer Federation of America - 2002, 2003, 2004, 2005, 2006, 2008, 2009, 2010, 2011, 2012, 2013

Susan Crawford, Professor of Law, Cardozo School of Law, Yeshiva University - 2006, 2008, 2010, 2011

Stacey Dogan, Professor of Law, Northeastern University -2003 & 2009

Richard Epstein, Professor of Law, New York University -

Ellen Goodman, Professor of Law, Rutgers University -2002, 2005, 2008, 2009, 2010, 2012

Dale Hatfield, Adjunct Professor, University of Colorado -2003, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014

Elizabeth Hoffman, Former President, University of Colorado - 2003 & 2005

Alfred Kahn, Emeritus Robert Julius Thorne Professor of Political Economy, Cornell University - 2006, 2008,

George Kembel, Global Director & Co-Founder, Stanford d.school - 2014

William Kovacic, Professor of Law, George Washington University - 2007, 2009, 2014 **Ruby Lee**, Professor, Princeton University, - 2002 Mark Lemley, Professor of Law, Stanford University -2002, 2003, 2004, 2006, 2008, 2009, 2010, 2011, 2012, 2013

Lawrence Lessig, Professor of Law, Stanford University - 2002, 2005, 2008

Deirdre Mulligan, Professor of Law, University of California, Berkeley - 2012 & 2013

**Jeffrey Rosen**, Professor of Law,

George Washington University - 2010

Pam Samuelson, Professor of Law, University of California, Berkeley - 2006, 2008, 2009, 2010, 2013

Carl Shapiro, Professor, University of California, Berkeley -2010, 2011, 2014

Howard Shelanski, Professor of Law, Georgetown University- 2002, 2003, 2004, 2006, 2008, 2009, 2010, 2011, 2012, 2013, 2014

**Jeff Sohl**, Professor, University of New Hampshire - 2012

Paul Starr, Professor, Princeton University - 2004

Peter Swire, Professor, Ohio State University -2004, 2008, 2011, 2013

Timothy Wu, Professor of Law, Columbia University -2003, 2004, 2005, 2006, 2008, 2012

# OVERNMENT

Kathleen Abernathy, Commissioner, FCC - 2003, 2004, 2006, 2009

Jonathan Adelstein, Commissioner, FCC - 2008 Meredith Attwell Baker, Commissioner, FCC - 2009, 2010, 2014

Michael F. Bennet, U.S. Senator, Colorado - 2011 & 2012

Ron Binz, Chairman, Colorado Public Utilities Commission -2007, 2008, 2009

Julie Brill, Commissioner, FTC - 2011, 2012, 2013, 2014 Aneesh Chopra, Chief Technology Officer, Office of Science and Technology Policy - 2011

Mignon Clyburn, Commissioner, FCC - 2011 & 2014 Chris Coons, US Senator, Delaware - 2012

Michael Copps, Commissioner, FCC - 2002, 2008, 2009,

Kareem Dale, Special Asst. to the President, Disability Policy

Mindel De La Torre, Chief, International Bureau, FCC -

Joseph Farrell, Director of the Bureau of Economics, FTC -2002 & 2011

Cory Gardner, U.S. Congressman, 4th District of Colorado - 2013

Julius Genachowski, Chairman, FCC - 2010, 2011, 2012

John Hansen, Secretary of Technology, State of Colorado -

**David Kappos**, Under Secretary of Commerce for IP, U.S. Patent & Trademark Office - 2012 & 2013

Julius Knapp, Chief, Office of Engineering and Technology, FCC - 2012 & 2013

John Kneuer, Administrator, NTIA - 2007

Jon Leibowitz, Chairman, FTC - 2008 & 2009

Gerald Masoudi, Deputy Asst. Attorney General, US Dept. of Justice - Antitrust Division - 2007

Robert McDowell, Commissioner, FCC - 2012

Maureen Ohlhausen, Commissioner, FTC - 2013 & 2014

Michael Powell, Chairman, FCC - 2000, 2004, 2005

Edith Ramirez, Chairwoman, FTC - 2014

Bill Ritter, Governor, State of Colorado - 2008, 2009, 2011

Jay Rockefeller, U.S. Senator, West Virginia - 2008

Jessica Rosenworcel, Commissioner, FCC - 2009 & 2012

Larry Strickling, Asst. Secretary for Communications, NTIA

- 2010, 2011, 2012, 2013, 2014

Mark Udall, U.S. Senator, Colorado - 2012

Tom Wheeler, Chairman, FCC - 2008 & 2014

Leroy Williams, Secretary of Innovation & Technology, State of Colorado - 2004 & 2005

www.silicon-flatirons.org

Tim Wirth, Former U.S. Senator, - 2003 & 2004

Mitch Berman, CEO and Co-Founder, Zillion TV Corporation - 2009

David Bonderman, Founding Partner, Texas Pacific Group -2008 & 2013

Glenn Britt, Chairman and CEO, Time Warner Cable Inc. -2013

Kathy Brown, Senior Vice President, Public Policy & Corporate Responsibility, Verizon - 2008, 2009, 2010, 2011,

Dan Caruso, CEO, Zayo Group - 2008, 2010, 2012, 2014 Vinton Cerf, Vice President and Chief Internet Evangelist, Google - 2002, 2011, 2012

Anthony Chan, Chief Economist, J.P. Morgan - 2011 & 2012 Scott Charney, Corp. VP, Microsoft - 2005 & 2008

Jeff Clavier, Founder and Managing Partner, SoftTech VC -2012

James Crowe, CEO, Level 3 Communications -2003, 2006, 2008, 2010, 2012

Barry Diller, Chairman and Senior Executive, IAC & Expedia, Inc - 2012

Kyle Dixon, VP, Public Policy, Time Warner Cable Inc. -2008, 2009, 2010, 2014

Charles Ergen, Chairman, DISH Network - 2011

Brad Feld, Managing Partner, Foundry Group -2008, 2009, 2010, 2011, 2012, 2013, 2014

Michael T. Fries, President and CEO, Liberty Global, Inc. -2007 & 2010

Michael Gallagher, President and CEO, Entertainment Software Association - 2009, 2010, 2011, 2012, 2013, 2014

Raymond Gifford, Partner, Wilkinson Barker Knauer, LLP -2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2012, 2013, 2014

Leslie Harris, President and CEO, Center for Democracy and Technology - 2011 & 2013

Larissa Herda, Chairwoman, President and CEO, tw telecom, inc - 2004, 2010, 2012

**Sean Hogue**, President, CCTA - 2010

Reed Hundt, Senior Advisor, McKinsey - 2009

Irwin Jacobs, Founder and Chairman, Qualcomm -2009 & 2011

Paul Jacobs, CEO, Qualcomm - 2008

Bob Kahn, Internet Pioneer - 2006

Chet Kanojia, Founder and CEO, Aereo - 2012

Bill Kennard, Managing Director, Carlyle Group - 2009 Richard Lynch, CTO, Verizon Communications - 2009

Gregory Maffei, President & CEO,

Liberty Media Corporation - 2009

Dave Moll, CEO, Webroot Software - 2005

Jay Monroe, Executive Chairman, Globalstar, Inc - 2011 Craig Mundie, CTO, Microsoft - 2004

Joseph Nacchio, Chairman and CEO, Qwest - 2002

Richard Notebaert, CEO, Qwest - 2003 & 2005

Jonathan Nuechterlein, Partner, WilmerHale -2008, 2010, 2011, 2012, 2013, 2014

Morgan O'Brien, Chairman,

Cyren Call Communications - 2007

Tom Ray, President & CEO, CoreSite - 2012

Jonathan Sallet, Partner, O'Melveny & Myers LLP -2009, 2010, 2011, 2012, 2013, 2014

Michelle Sie Whitten, President and CEO, Encore International - 2002

Gigi B. Sohn, President and CEO, Public Knowledge -2006, 2008, 2009, 2010, 2011, 2012, 2013

Glenn Steele, President and CEO, Geisinger Health Systems - 2013

Randall L. Stephenson, Chairman and CEO, AT&T - 2013 Bryan Tramont, Partner, Wilkinson Barker Knauer, LLP -2004, 2005, 2006, 2008, 2009, 2012, 2014

Fred Vierra, Chairman and VP Bus. Development, VeloCom, Inc - 2002

Kathleen Wallman, CEO, Wallman Strategic Consulting -2002, 2004, 2010



# OPICS

Content Innovation Copyright Policy Cybersecurity Disruptive Innovation Entrepreneurship Fiber Networks Future of Cable

Health Care Innovation **Innovation Policy Intellectual Property** Internet Governance Internet Protocol Open Source Patent Law

**Public Safety Communications Satellite Communications Software Patents** Telecommunications Regulation The Digital Broadband Migration The Technology of Privacy Wireless Spectrum





"Silicon Flatirons turned the university inside-out. They've propelled CU-Boulder to the point where it is now an entrepreneurial university."

- Brad Feld, Managing Director, Foundry Group

"It's going to be emerging industries, developed by many entrepreneurs, that are here, that are going to be the engines that drive our economy, that drive job growth, and drive wage growth."

- Michael Bennet, United States Senator, Colorado



#### THE ENTREPRENEURSHIP INITIATIVE

The Silicon Flatirons Center Entrepreneurship Initiative (SFC EI) was established in 2008 with the vision to make CU-Boulder one of the nation's leading entrepreneurial public universities and help educate the next generation of entrepreneurs. To support networking and an exchange of ideas, the SFC EI leads a wide-range of events including the Crash Course Series, Entrepreneurs Unplugged, and CU New Venture Challenge. Since it began, the SFC EI has presented over 200 public-facing events bringing together over 10,000 attendees.

# CRASH COURSE TOPICS

Automating Contracts
User Experience
Startup Boards
Intellectual Property
Venture Capital
Strategic Partners
Sales for Startups
Corporate Social Responsibility
Bootstrapping
Angel Term Sheets
Data Security & Privacy
How to Pitch

Startup Communities
Lean Startups
Employment Law
Immigration Law
Guerrilla PR for Startups
Consumer Internet Industry
Open Source Software
How to Build a Company
How to Pick a Business Worth Starting
Marketing
Private Equity





# Unplugged Speakers

**Jim Anderson**, VP, Qwest Communications - 2010 **Rustin Banks**, CEO & Co-Founder.

TheBlogFrog - 2012

Nir Barkat, Mayor of Jerusalem - 2009

Luke Beatty, Head of Strategic Partnerships,

AOL - 2013

Paul Berberian, CO-Founder,

Market Force Information - 2008

**Jeremy Bloom**, CO-Founder, Integrate - 2013

Mike Boucher, Founder, Dakota Legal Software - 2014 Dan Caruso, CEO, Zayo Group - 2008, 2010

David Cohen, Founder & CEO TechStars - 2009, 2013

Don Detampel, Executive Chairman,

New Global Telecom - 2010

Howard Diamond, CEO,

Diamond Consulting, Inc. - 2010

Barry Diller, Chairman & Senior Executive,

IAC & Expedia, Inc. - 2012

Roy Dimoff, Chairman & CEO, Viawest - 2008

Andre Durand, Chairman & CEO, Ping Identity - 2010

Tim Enwall, President & COO, Tendril - 2009

Charlie Ergen, Chairman, DISH Network - 2012

Brad Feld, Managing Director, Foundry Group - 2011

Jim Franklin, CEO, SendGrid - 2012

**Heidi Ganahl**, Founder, Camp Bow Wow - 2013

**John Giacomoni**, Co-Founder, LineRate - 2013

Larry Gold, Founder & Chairman, SomaLogic - 2014

Paul Guerin, CEO, Rebit - 2011

**Steve Halstedt**, Co-Founder, Centennial Ventures - 2009

**Holly Hamann**, VP of Marketing & Co-Founder,

TheBlogFrog - 2012

Peter Hudson, Co-Founder & CEO, iTriage - 2014

Glenn Jones, Founder & Former CEO,

Jones Intercable, Inc. - 2009

Kim Jordan, CEO & Co-Founder,

New Belguim Brewing Company - 2014

George Kembel, Executive Director & Co-Founder,

Stanford d. School - 2012

Dan King, CEO, ReadyTalk - 2012

Walter Knapp, COO, Lijit - 2008

Sue Kunz, Founder & Former CEO,

Solidware Technology, Inc. - 2009

Wendy Lea, CEO, Get Satisfaction - 2012

Bart Lorang, CEO & Co-Founder, FullContact - 2013

Andrew MacFarlane, Chairman & CPO,

Buzzwire - 2009

Greg Maffei, President & CEO,

Liberty Media Corporation - 2010

Krista Marks, CEO & Co-Founder, Kerpoof - 2010

Ryan Martens, Founder & CTO, Rally Software - 2010

Tim Miller, CEO, Rally Software - 2010

Nancy Phillips, Co-Founder, COO, & Director,

ViaWest - 2011

Dave Query, Chef & Owner,

Big Red F Restaurant Group - 2014

Niel Robertson, Founder & CTO,

Service Metrics - 2009

Mike Rouleau, Senior VP tw telecom - 2010

Nathan Seidle, CEO, SparkFun Inc. - 2010

Pete Sheinbaum, Founder & CEO,

Mandelbrot Project, Inc. - 2011

indiacionol roject, inc. 2011

Nicole Skogg, CEO, SpyderLynk - 2011 Ted Turner, Chairman, Turner Enterprises, Inc. - 2009

Tyler Tysdal, Managing Director,

Mantucket Capital - 2010

Manish Vachharajani, Co-Founder, LineRate - 2013

Grant van Rooyen, CEO, IX Investments, LLC - 2010

Todd Vernon, CEO, Lijit - 2008

Jack Waters, President of Global Network Service &

CTO, Level 3 Communications - 2010

Alex White, Co-Founder & CEO,

Next Big Sound - 2012

Art Zeile, CEO, Hosting.com - 2010

Michael Zeisser, Senior Vice President,

Liberty Media Corporation - 2010

Sam Zell, Co-Founder & Chairman,

Equity Group Investments - 2009



#### THE NEW VENTURE CHALLENGE

The New Venture Challenge is an annual campus-wide entrepreneurship competition at CU-Boulder that is comprised of workshops, mentorship, team building events, a pitch day, and a final competition. The goal is to provide an experiential adventure in entrepreneurship for CU students and members of the Boulder community.

#### PAST WINNERS

Knova Learning, 2009
Streat Chefs, 2010
Green Truck, 2011
rideorama.com, 2012
Superior EcoTech and TeacherMaps, 2013
Malleable Medical Tech and Varsity, 2014





#### STARTUP COLORADO

Silicon Flatirons hosts the Startup Colorado initiative to increase the breadth and depth of the entrepreneurial ecosystem across Colorado's Front Range. The mission is to multiply connections among entrepreneurs and mentors, improve access to entrepreneurial education, and build a more vibrant entrepreneurial community.

To deepen the communal backdrop out of which new companies emerge, Startup Colorado has developed and continues to grow Startup Summer, a ten-week program that combines a summer internship at a Boulder, Denver or Colorado Springs startup company with a series of workshops focused on teaching participants the fundamentals of creating and running a successful startup.

#### BLACKSTONE ENTREPRENEURS NETWORK

Silicon Flatirons hosts the Blackstone Entrepreneurs Network to connect Colorado's great serial entrepreneurs and scale-up experts with one another to collaborate, identify, promote, assist, and connect Colorado's 'Gazelles' and 'Unicorns' – the State's best high-growth, high-prospect private firms in the technology, health, aerospace, energy, and natural foods and products industries.

"Just a decade ago, the innovation scene in Colorado far outpaced the University. Over the past decade, CU Boulder has become integrated into this innovation scene. Bringing BEN Colorado to the Front Range marks a landmark contribution from CU and Silicon Flatirons to the innovation scene in Colorado. This is an unprecedented amount of outside support to stimulate entrepreneurship in the area."

- Brad Bernthal, Entrepreneurship Initiative Director, Silicon Flatirons Center









"The opportunities and support Silicon Flatirons provides students is incredible. Through Silicon Flatirons I found my passion, my career, invaluable connections, and instrumental mentors. I just hope that one day I will be able to give back to the community that gave so much to me."

- Arielle Brown, Westin Fellow, International Association of Privacy Professionals

"When I arrived in D.C. as a summer intern at the Federal Communications Commission, I expected to have to explain how a student from Colorado found his way into an internship in the Chairman's Office. Instead, I found universal recognition and admiration for Colorado Law and Silicon Flatirons. Now, as a staff attorney at the FCC, I am proud to represent the program and encourage others to follow a path into policymaking and public service."



- Eric Schmidt, Attorney Advisor, Federal Communications Commission



#### WRITING COMPETITION

Each year, Silicon Flatirons accepts submissions of papers written about a topic involving law and technology in order to promote and encourage among students the continued pursuit of the research, planning, organization, writing, and editing of scholarly papers in this field. Submission papers are read and judged by a panel of attorneys at Faegre Baker Daniels, the sponsor of this contest. The winner receives a check for \$500 and an opportunity for publication in a future issue of the Colorado Technology Law Journal.

The 2014 winning paper was, Funny Money or the Fall of Fiat: Bitcoin and the Future of Virtual Currency Regulation, by Ethan Jeans.

#### TELECOM MOOT COURT COMPETITION

The Colorado Law team, led by coaches Professor Blake Reid and Senior Fellow Bill Levis, won first place at the National Telecommunications Moot Court competition in 2014. The team of Maggie MacDonald ('14), Katie Loiseau ('14), and Ethan Jeans ('15) bested the George Washington team in the final round on a tough hybrid admin/constitutional law problem focusing on indecency regulation.

# Molly McClurg, Amber Williams, Stefan Tschimben, and Vickie Stubbs

#### TECHNOLOGY POLICY CHALLENGE

The Technology Policy Challenge is a partnership between Silicon Flatirons and CU's Interdisciplinary Telecommunications Program (ITP) in which interdisciplinary teams of Law, ITP, and ATLAS students research and advocate for a constituency group on a timely technology policy question judged by a group of tech industry leaders and CU faculty. Judging is based on a written executive summary, an oral presentation, and a question and answer session.

The 2014 first place winners were: Molly McClurg, Amber Williams, Stefan Tschimben, Vickie Stubbs, and Shubham Bhol

#### COLORADO TECHNOLOGY LAW JOURNAL

A group of students, under the guidance of Phil Weiser, founded The Colorado Technology Law Journal (CTLJ) at the University of Colorado Law School in 2001. CTLJ has since established a position among the elite national technology and telecommunications law journals, featuring seminal moments in Internet policy such as former FCC Chairman Michael Powell's articulation of the four Internet Freedoms and Professor Tim Wu's groundbreaking definition of Network Neutrality. CTLJ is closely affiliated with the Silicon Flatirons Center at the University of Colorado at Boulder. Annually, the Center hosts the nationally renowned Digital Broadband Migration and Privacy symposiums, submissions to which are published in the CTLJ.

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#### Law Clinics

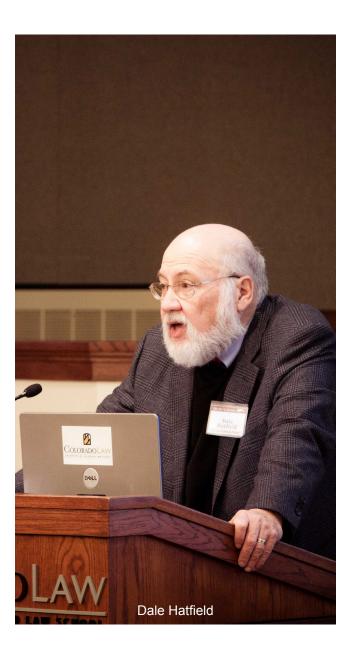
The Entrepreneurial Law Clinic (ELC), provides law students with practical experience in transactional law while offering valuable legal services without charge to local startups lacking access to investor resources. The Clinic's clients include graduate students, professors, local entrepreneurs, and startup companies. Third-year Colorado Law students staff the Clinic during the academic year under the joint supervision of a full-time clinician and experienced attorneys from top law firms in Boulder and Denver. Students interact directly with clients to provide legal advice on a wide range of business-law issues including entity formation, intellectual property, employment, and contracts. By assisting entrepreneurs when they need help the most, the ELC provides Colorado Law students hands-on opportunities to make a difference in the community.

The Samuelson-Glushko Technology Law & Policy Clinic (TLPC), offers students an interdisciplinary, handson opportunity to develop and execute strategic advocacy initiatives aimed at making an impact on cutting-edge technology policy issues in the public interest. Legal practice before administrative bodies is a critical component of many attorneys' practices. Under the supervision of the TLPC Director, TLPC students advocate before state and federal administrative agencies such as the Federal Communications Commission, Federal Trade Commission, U.S. Copyright Office, U.S. Patent and Trademark Office, Colorado Public Utilities Commission, and federal appellate courts on a variety of real telecommunications, intellectual property, privacy, accessibility, and other policy and regulatory matters with substantial technology dimensions.



#### SILICON FLATIRONS SUMMER INTERNSHIP PROGRAMS

The Silicon Flatirons Summer Internship Programs strategically place students in 10-week summer internships in business law, as part of the Tech Lawyer Accelerator, or technology policy, as part of the DC Summer Scholars Program. These programs include training seminars led by leaders from government and the technology industry as well as support and mentorship from Silicon Flatirons faculty, friends and alumni network.



#### DALE HATEIELD SCHOLARS PROGRAM

The Dale Hatfield Scholars Program provides summer internship placements in public service. The program honors and promotes the values that Dale has embodied during his distinguished career. From his service at the FCC and U.S. Department of Commerce to his professorship at the University of Colorado, Dale has embodied the highest ideals of service, scholarship and leadership. Hundreds, if not thousands, of technology leaders around the world have benefited from Dale's generosity of spirit and intellect. The Hatfield Program offers a great way to continue Dale's legacy. Founded in 2006.

#### 2014 HATFIELD SCHOLARS

Michael Aaron, Center for Democracy & Technology
Chelsea Carr, Common Cause
Katherine Corbin McAnallen, Consumers Union
Caitlin Cronin, FCC, General Counsel's Office
Joely Denkinger, FTC, Commissioner Ohlhausen's Office
Austin Gaddis, U.S. Senate Committee on Commerce,
Science and Transportation

Bill Gillespie, FirstNet
Ethan Jeans, Public Knowledge
Brad Revare, FCC, Chairman Wheeler's Office
Stefan Tschimben, FCC, International Bureau
Jordan Underhill, Free Press



### PALANTIR PRIVACY SCHOLARS IN PUBLIC SERVICE

Recognizing the value of educational and research efforts at the intersection of engineering, privacy, law and policy, Palantir Technologies, Inc., has made possible a number of Privacy Technology Innovation Grants, to support the Palantir Scholars in Public Service Program at Colorado Law and Silicon Flatirons. Founded in 2013.

**2014 PALANTIR SCHOLARS IN PUBLIC SERVICE Joseph de Raismes**, FTC, Commissioner McSweeny's Office

2014 PALANTIR PRIVACY SCHOLARSHIP
Amber Williams

#### TECH LAWYER ACCELERATOR

The Tech Lawyer Accelerator program was established and is led by former technology in-house counsel and executive Bill Mooz, who previously worked at Sun Microsystems and VMWare, among other firms. Beyond the basic building blocks of legal doctrine and practical legal skills, lawyers need to understand the relevant context and business environment they operate in as well as how to be effective professionals who can work in teams, manage projects effectively, and listen to and learn from clients. Traditionally, Mooz explains, "neither law schools nor law firms have had any formal vehicles for training future lawyers on their clients' businesses and on how operational tools can be used to improve the delivery of legal services. For this reason, the vast majority of the Tech Lawyer Accelerator's boot camp focuses on these areas." A total of 16 students and 13 technology firms have participated in the program, with students interning at early-stage through mature technology firms in Colorado and the Bay Area, including Cisco, NetApp, CoreSite, Intrado, Rally Software, Wayin, and Zayo. Founded in 2014.

#### SILICON FLATIRONS DC SCHOLARS IN THE PRIVATE SECTOR

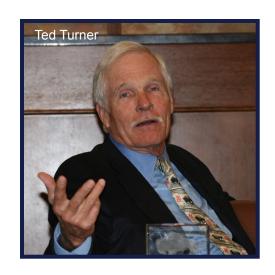
The Private Sector Scholars program, through the Silicon Flatirons Center, was founded by former Senior Fellow, Preston Padden, and provides placement assistance for summer internships in organizations involving technology and communications issues in D.C. Founded in 2012.

#### 2014 DC SCHOLARS IN THE PRIVATE SECTOR

**Charlie Clark**, National Cable & Telecommunications
Association

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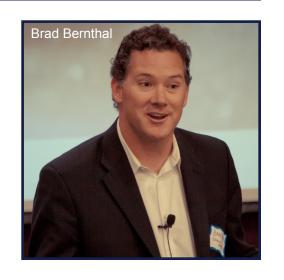
# POLICY Entrepreneurship NETWORK NEUTRALITY POLICY Entrepreneurship TELECOMMUNICATIONS

# TECHNOLOGY PATENTS Privacy SINNOVATION









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Rapporteur: James Crowe Date Published: February 2007

**Rethinking Software Patents** 

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Toward a Next Generation Network for Public Safety Communications

Authors: Dale Hatfield and Phil Weiser

Date Published: May 2007

The Entrepreneurial University

Rapporteur: Kaleb Sieh Date Published: October 2007

**Exploring Self Regulatory Strategies for Network Management** 

Author: Phil Weiser

Date Published: August 2008

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The Social, Ethical, and Legal Implications of Social Networking

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Open Standards, Open Innovation, and the Rollout of

Rapporteur: Christopher Achatz Date Published: May 2009 End of Scarcity, Open Architecture, and the Future of Broadband Competition Policy

Authors: Robert D. Atkinson and Phil Weiser

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New Times, New Methods: Upgrading Spectrum Enforcement

Rapporteurs: Laura Littman and Brad Revare

Date Published: February 2014

The New Normal and the Challenge for Legal Education Rapporteur: David Bennett

Date Published: April 2014

# 2014 CALENDAR OF EVENTS

# JANUARY

- New Tech Meetup
- Roundtable: What NSA Surveillance Means for Business and Entrepreneurship
- Conference: The New Frontiers of Privacy Harm
- CU New Venture Challenge: Spring Kick-Off
- Workshop: Venture Capital Term Sheet
- Crash Course: Venture Capital with Jason Mendelson and Brad Bernthal

# **APRIL**

- New Tech Meetup
- Conference: Property Rights in Spectrum, Water, and Minerals
- Entrepreneurs Unplugged: Peter Hudson
- CU New Venture Challenge: IT Track Finals
- Conference: The Future of Law School Innovation
- CU New Venture Challenge: Finals
- Cable Academic Workshop

# JULY

- Tech Lawyer Accelerator with Helen Parker, Jim Franklin, Dan Frederickson, and Mark Williams
- Tech Lawyer Accelerator with Grant Ruesch and Brooke Fritz
- Tech Lawyer Accelerator with Barbara Lawton

# **O**CTOBER

- Jason Furman Lunch
- New Tech Meetup TechStars
- Conference: Technology Transfer, University Commercialization Efforts, and Patent Strategies
- CU New Venture Challenge: Pitch Night

# **F**EBRUARY

- CU New Venture Challenge: IT Workshop
- New Tech Meetup
- Conference: Digital Broadband Migration: After the Internet Protocol Revolution
- Entrepreneurs Unplugged: Larry Gold
- CU New Venture Challenge: MVP Workshop
- CU New Venture Challenge: How to Pitch
- Crash Course: Intellectual Property for Entrepreneurs with Jason Haislmaier

# May

- New Tech Meetup
- Student Appreciation Lunch
- Tech Lawyer Accelerator Bootcamp, May 12-31
- Palantir Breakfast
- Conference: Copyright Policy and the Future of Television
- Workshop: Institute for Regulatory Law & Economics

# **A**UGUST

- Tech Lawyer Accelerator with Barbara Lawton, Mark Williams, and Bill Mooz
- Tech Lawyer Accelerator Closing Event
- Entrepreneurs Unplugged: Kim Jordan

# NOVEMBER

- Entrepreneurs Unplugged: Mike Boucher
- New Tech Meetup
- Women in Technology
- Tech Policy Fall Challenge
- Crash Course: Automating Contracts
- CU New Venture Challenge: IP Workshop
- CU New Venture Challenge: Mentor Speeddating Conference: Getting Beyond Command-and-Control
- Regulation in Wireless Spectrum
   Entrepreneurs Unplugged: Dave Query

# MARCH

- New Tech Meetup
- Crash Course: Startup Boards with Brad Feld
- Conference: SciFi and Entrepreneurship Is Resistance Futile?
- Hatfield Reception

# JUNE

- Tech Lawyer Accelerator Bootcamp, June 2-6
- New Tech Meetup
- Startup Summer Kickoff
- Lean Startup Workshop
- Startup 101

# SEPTEMBER

- New Tech Meetup
- Student Event: Technology Policy Lunch
- Conference: Understanding Disruptive Innovation The Cases of Internet, Telecom, and Electricity
- Crash Course on UX: How Experience Design Can Make Any Product Better
- CU New Venture Challenge: Kick-off

# DECEMBER

- Conference: When Companies Study Their Customers: The Changing Face of Science, Research, and Ethics
- Roundtable: The Governance Structure of Accelerators

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