

MODERATOR & PANELIST BIOGRAPHIES

INTRODUCTIONS

VINCENT HOMMERIL 🔍

Consul Général de France, Atlanta

YVES BERTHELOT 🥮

RENCH/AMERICAN DIALOGUE

Vice-Provost for International Initiatives, Georgia Institute of Technology

GREGORY L. FENVES 🥮

President, Emory University **OLIVIER GRASSET**

Vice-President for Research and Innovation, University of Nantes

THEORETICAL APPROACHES: ETHICAL & LEGAL PERSPECTIVES Perspectives are color coded: White for Ethical; Blue for Legal

MODERATOR AYANNA HOWARD Professor and Chair, School of Interactive Computing, Georgia Institute of Technology **Ayanna Howard**, Ph.D. is the Linda J. and Mark C. Smith Professor and Chair of the School of Interactive Computing at the Georgia Institute of Technology. She also holds a faculty appointment in the School of Electrical and Computer Engineering and serves on the Board of Directors for the Partnership on Al and Autodesk. Dr. Howard's career focus is on intelligent technologies that must adapt to and function within a human-centered world. Her work, which encompasses advancements in artificial intelligence (Al), assistive technologies, and robotics, has resulted in over 250 peer-reviewed publications in a number of projects from healthcare robots in the home to Al-powered STEM apps for children with diverse learning needs. To date, her unique accomplishments have been highlighted through a number of awards and articles, including highlights in USA Today, Upscale, and TIME Magazine, as well as being recognized as one of the 23 most powerful women engineers in the world by Business Insider and one of the Top 50 U.S. Women in Tech by Forbes. In 2013, she also founded Zyrobotics, which develops STEM educational products to engage children of all abilities. Prior to Georgia Tech, Dr. Howard was a Senior Robotics Researcher and Deputy Manager in the Office of the Chief Scientist at NASA's Jet Propulsion Laboratory. She has also served as the Associate Director of Research for the Institute for Robotics and Intelligent Machines, Chair of the Robotics Ph.D. program, and the Associate Chair for Faculty Development in ECE at Georgia Tech.

Paul Root Wolpe, Ph.D. is the Raymond Schinazi Distinguished Research Professor of Jewish Bioethics, Professor of Medicine, Pediatrics, Psychiatry, and Sociology, and the Director of the Center for Ethics at Emory University. Dr. Wolpe's scholarly work focuses on the social, religious, and ideological impact of technology and biotechnology on the human condition. He is Editor-in-Chief of the American Journal of Bioethics Neuroscience, and sits on the editorial boards of over a dozen professional journals. For 15 years he served as the Senior Bioethicist at the National Aeronautics and Space Administration (NASA). He is a past President of the American Society for Bioethics and Humanities, current President of the Association of Bioethics Program Directors, a Fellow of the Hastings Center, and a Fellow of the College of Physicians of Philadelphia, the country's oldest medical society. Dr. Wolpe won the 2011 World Technology Network Award in Ethics, has recorded a TED Talk with over 1.5 million views, was named one of Trust Across America's Top 100 Thought Leaders in Trustworthy Business Behavior, and was profiled in the November, 2011 Atlantic Magazine as a "Brave Thinker of 2011." Chosen by The Teaching Company as a "Superstar Teacher of America," he appears on shows like 60 Minutes and on PBS, and was featured with a personal profile in the Science Times of the New York Times.

Matt Scherer is an attorney and legal scholar based in Portland, Oregon. As an attorney with Littler Mendelson, P.C., he regularly advises companies seeking to integrate Al into their workplaces and people processes. Matt also writes and speaks on the intersection of law and artificial intelligence. He is the author of several articles, including Regulating Artificial Intelligence Systems: Risks, Challenges, Competencies, and Strategies, and Applying Old Rules to New Tools: Employment Discrimination Law in the Age of Algorithms. He maintains an occasional blog at LawAndAl.com.

Member of the French Parliament for the Fifth Constituency of the Essonne Department, First Vice-President of the Parliamentary Office of Scientific and Technological Options assessment, **Cedric Villani** was awarded the Fields Medal in 2010 during the International Congress of Mathematicians in Hyderabad (India). He directed the Institut Henri Poncaré in Paris from 2009 to 2017. As an Al specialist, he drafted the French Government report "For a meaningful artificial intelligence".

Célia Zolynski is Professor of Private Law at the University of Paris 1 Panthéon-Sorbonne, director of the Master 2 program "Law, Creation and Digital", co-director of the IT and IP Department of the Research center IRJS (DReDIS) and Associate Dean for External relations of the Sorbonne Law School. Former member of the French Digital Council (CNNum), she is also member of the National Consultative Commission on Human rights (CNCDH), the Prospective committee of the CNIL, the Higher Council of Literacy and Artistic Property (CSPLA) and the National Pilot Committee for Digital Ethics (CNPEN).

Specialized in European Digital law (ecommerce, fundamental freedoms, data protection) and Intellectual Property, she is the author of various publications on these topics and leads, as an academic, several national and European projects about privacy protection and regulation of algorithmic systems promoting multidisciplinary researches.

PAUL ROOT WOLPE

Raymond Schinazi Distinguished Research Professor of Jewish Bioethics, Director, Center for Ethics, Emory University



CEDRIC VILLANI Mathematician, Politician, Author of the Report "donner un sens à l'Intelligence Artificielle"



CÉLIA ZOLYNSKI

Professor of Private Law, Director of the Master "Law

Creation and Digital", Université Paris I, Panthéon-Sorbonne





ENCH/AMERICAN DIALOGUE

VIRTUAL SYMPOSIUM NOVEMBER 9 & 10, 2020 **PRIVACY, TRUST & HUMAN OVERSIGHT IN HEALTH AND** WELL-BEING

MODERATOR & PANELIST BIOGRAPHIES THEORETICAL APPROACHES: REGULATORY & INDUSTRIAL PERSPECTIVES Perspectives are color coded: White for Regulatory; Blue for Industrial



RACHAD ALAO Engineering Director, Facebook Responsible Al







Rachad Alao is the Director of Engineering at Facebook AI. Leads a team focused on driving Facebook's Responsible AI effort centered around AI fairness, robustness, privacy and security. Prior to joining Facebook in 2019, Rachad spent 6 years at Google as an Engineering Director helping Android scale to 3 billion devices. He led Android's multimedia efforts, including Android OS Audio, Video and Camera teams who helped build Google's Pixel Camera and a more secure Android multimedia stack among other things. Prior to joining Google in 2013, he spent 9 years at BluestreakTechnology in Montreal, as Chief Technology Officer among other engineering leadership roles. As CTO, he helped build the company's embedded Flash and HTML technology as well as deploy it to millions of Orange France and Time Warner Cable US devices. Overall, Rachad has over two decades of high tech industry and research experience in Silicon Valley and abroad focused on embedded systems, operating systems and artificial intelligence. He is an alumni of Telecom ParisTech in Paris, where he received his MS in Telecommunication Engineering and Computer Architecture. He was born in Benin (West Africa) and grew up in Côte d'Ivoire until the age of 16 when he left to study in France.

Elham Tabassi is the Chief of Staff in the Information Technology Laboratory (ITL) at the National Institute of Standards and Technology (NIST). ITL, one of six research Laboratories within NIST, supports NIST's mission, to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

She has been working on various computer vision research projects with applications in biometrics evaluation and standards since 1999. She is the principal architect of NIST Fingerprint Image Quality (NFIQ) which is now an international standard for measuring fingerprint image quality and has been deployed in many large scale biometric applications worldwide. She received the Department of Commerce Gold Medal in 2003, the Department of Commerce Bronze Medal in 2007, and 2010, ANSI's 2012 Next Generation Award, and the Women in Biometrics Award in 2016 for her contributions to biometrics. She is a senior member of IEEE, and member of AAAI. Elham Tabassi is the Chief of Staff in the Information Technology Laboratory (ITL) at the National Institute of Standards and Technology (NIST). ITL, one of six research Laboratories within NIST, supports NIST's mission, to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

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Igor Jablokov is the CEO of Pryon, an AI company focused on augmented intelligence. Pryon's cognitive technology helps machines better understand people, putting AI at the core of enterprise digital transformations. Impatient with the gap between the invention of AI technologies and their commercialization, Igor left his career at IBM and founded Yap in 2006. Just 5 years later, Amazon acquired the company for its AI technology, which is now found in billions of Alexa, Echo, and Fire TV devices. Igor was awarded both the Eisenhower and Truman National Security fellowships to explore and expand the role of entrepreneurship and venture capital in addressing geopolitical concerns.

Igor is a passionate supporter of career and educational opportunities in the STEM fields. As such, he serves as a mentor in the TechStars' Alexa Accelerator, was a Blackstone NC Entrepreneur-In-Residence (EIR), and founded a chapter of the Global Shapers, a program of the World Economic Forum. Igor holds a BS degree in Computer Engineering from The Pennsylvania State University, where he was named an Outstanding Engineering Alumnus, and an MBA from The University of North Carolina.

Henri Verdier was born in 1968. Currently, he is Ambassador for Digital Affairs for the French Ministry for Europe and Foreign Affairs. Previously, he was the interministerial director for digital information and communications systems (DG Dinsic) of France; and director of Etalab, the French agency for public open data. Mr. Verdier is also an entrepreneur: he was the co-founder and CEO of MFG Labs, an internet-based startup involved in social data mining, and chairman of the board of Cap Digital, the French-European Cluster for Digital Content and Services, located in Paris. He is member of the ARCEP strategic committee, member of the CNIL strategic committee and also served as member of the board of Paris-Sorbonne University. In addition, Mr Verdier was the founding director of Edition Odile Jacob Multimedia, a publishing company in the field of e-learning and executive adviser for innovation at Lagardère Group as well as director of foresight at Institut Telecom. In 2012, he co-authored, with Nicolas Colin, the book, L'Age de la Multitude, Entreprendre et Gouverner Après la Révolution Numérique (The Age of Multitude, Entrepreneurship and Governance After the Digital Revolution). Mr. Verdier is a graduate of Ecole Normale Supérieure.



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JASON BORENSTEIN

Director of Graduate Research Ethics Programs, Georgia Institute of Technology



JAMES KOTECKI VP, Marketing and Communications, Infinia ML

MODERATOR





NAOMI LEFKOVITZ

Senior Privacy Policy Advisor, National Institute of Standards and Technology **Alain Pluquet** joined bioMérieux in 2010 as Corporate Vice President. He became member of the Executive Committee in 2011 and has piloted the Innovation and created and managed the Data Analytics Unit. He is now Vice President of the holding Company, Institut Mérieux, as Director of Innovation and Technologies. One of its main centers of interest is the development of digital solutions for health and nutrition, within the Mérieux group or in partnership with many partners in the industrial, academic, medical or institutional environment.

He worked previously for the French Alternative Energies and Atomic Energy Commission (CEA) where he was successively in charge of several entities for ten years, in the field of technological innovation, serving various industrial sectors. Before that period, he began his career at CEA by ten years in fundamental particle physics research in international collaborations in Europe and in the US.

Alain Pluquet has a multidisciplinary education. He holds a PhD in particle physics and a Master 2 in mathematics and physics. He also received several first prizes from the Paris Music Conservatory (CNSMDP) and graduated with a Master in Music.

CONCLUSION FOR THE DAY

Jason Borenstein, Ph.D., is the Director of Graduate Research Ethics Programs and Associate Director of the Center for Ethics and Technology at the Georgia Institute of Technology. His appointment is divided between the School of Public Policy and the Office of Graduate Studies. Dr. Borenstein is an associate editor of the journal Science and Engineering Ethics, a member of Founding Editorial Board of the journal AI and Ethics, co-editor of the Stanford Encyclopedia of Philosophy's Ethics and Information Technology section, and an editorial board member of the journal Accountability in Research. He is also Editor for Research Ethics for the National Academy of Engineering's Online Ethics Center for Engineering and Science. His teaching and research interests include robot & AI ethics, engineering ethics, research ethics, and bioethics.

STUDENTS' PERSPECTIVES

James Kotecki helps technology leaders tell their stories. As VP, Marketing & Communications at Infinia ML, he hosts Machine Meets World, the company's weekly conversation with leaders in artificial intelligence. James is the former Head of Communications for Automated Insights, where he translated concepts of natural language generation for a global audience. He later started his own firm to help technology marketers tell customer stories.

A professional content creator for over a decade, James has worked with brands including YouTube, Politico, Business Insider, LinkedIn, DHL, and the Consumer Technology Association. He started honing his interviewing skills as a college student when he profiled presidential candidates on his YouTube channel. Even now, some people still remember him as "that guy who interviewed Congressman Ron Paul in his dorm room."

PRACTICAL APPROACHES: PRIVACY Perspectives are color coded: White for US; Blue for French

Bertrand Pailhès has been Director of Technologies and Innovation at the CNIL since November 2019. A graduate of Telecom ParisTech and Sciences Po Paris, mining engineer, Bertrand Pailhès worked at ARCEP and at the CNIL in the service of technological expertise before joining, in 2013, the office of the minister responsible for the digital economy, Fleur Pellerin.

In 2015, he was appointed Chief of Staff to Axelle Lemaire, Secretary of State for Digital Affairs and notably worked in this context on the law for a Digital Republic adopted in October 2016. Since July 2018, Bertrand Pailhès has been the national coordinator of the strategy for artificial intelligence at the Interministerial Directorate of Digital.

Naomi Lefkovitz is the Senior Privacy Policy Advisor and Lead for the Privacy Framework in the Information Technology Lab at the National Institute of Standards and Technology, U.S. Department of Commerce. She leads the privacy engineering program, which focuses on developing privacy risk management processes and integrating solutions for protecting individuals' privacy into information technologies, including digital identity services, IoT, smart cities, big data, mobile, and artificial intelligence. FierceGovernmentIT named Ms. Lefkovitz on their 2013 "Fierce15" list of the most forward-thinking people working within government information technology, and she is a 2014 and 2018 Federal 100 Awards winner.

Before joining NIST, she was the Director for Privacy and Civil Liberties in the Cybersecurity Directorate of the National Security Council in the Executive Office of the President. Her portfolio included the National Strategy for Trusted Identities in Cyberspace as well as addressing the privacy and civil liberties impact of the Obama Administration's cybersecurity initiatives and programs. Prior to her tenure in the Obama Administration, Ms. Lefkovitz was a senior attorney with the Division of Privacy and Identity Protection at the Federal Trade Commission. Her responsibilities focused primarily on policy matters, including legislation, rulemakings, and business and consumer education in the areas of identity theft, data security and privacy.

Ms. Lefkovitz holds a B.A. with honors in French Literature from Bryn Mawr College and a J.D. with honors from Temple University School of Law.







EMMANUEL BACRY Chief Scientific Officer Emmanuel Bacry graduated from Ecole Normale de Paris and obtained in 1992 a PhD in Mathematics and in 1996 the Habilitation à diriger des recherches. He is currently Senior Researcher at CNRS at Paris-Dauphine University, Scientific Director of the French Health Data Hub and Director of Data / Health projects at the Ecole Polytechnique where he directed for more than 4 years the Big Data & Data Science. He is one of the main organizers of the largest French summer school on AI (DS3) on the campus of the Ecole Polytechnique.

His research has always been guided by a constant concern for applications, particularly in statistical finance, sustainable development and health. Since 2015, he has led a partnership between Ecole Polytechnique and the national institution CNAM to develop Big Data methodologies based on SNDS (one of the largest medico-administrative databases in the world). Al expert, Emmanuel Bacry is a member of several scientific boards and committees including the Al board for the next Universal Exposition that will take place in Dubai.

PRACTICAL APPROACHES: HUMAN OVERSIGHT Perspectives are color coded: White for US; Blue for French



Margo Bernelin, PhD, is a research fellow (CNRS) at the Law and Social Change Laboratory (University of Nantes). She is a member of the DataSanté research program (Université de Nantes,). Margo BERNELIN's research focuses on the legal implications of the systematization of data collection and the technical means of exploiting them.



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NICOLAS MIAILHE Founder and President, The Future Society

MODERATOR **MÉLANIE GRAHAM** Professor in Ethics, SKEMA Business School



Professor, Department of Rehabilitation Medicine, Medical Ethicist, Center for Ethics, Emory University **Francesca Rossi** is an IBM fellow and the IBM AI Ethics Global Leader. She works at the T.J. Watson IBM Research Lab, Yorktown Heights, New York. Prior to joining IBM, she has been a professor of computer science at the University of Padova, Italy. Francesca's research interests focus on artificial intelligence, specifically they include constraint reasoning, preferences, multi-agent systems, computational social choice, and collective decision making. She is also interested in ethical issues in the development and behavior of AI systems, in particular for decision support systems for group decision making. On these topics, she has published over 200 scientific articles in journals and conference proceedings, and as book chapters, been president of IJCAI (International Joint Conference on AI), an executive councillor of AAAI, and the Editor in Chief of the Journal of AI Research.

She is a member of the scientific advisory board of the Future of Life Institute (Cambridge, USA) and a deputy director of the Leverhulme Centre for the Future of Intelligence (Cambridge, UK). She is in the executive committee of the IEEE global initiative on ethical considerations on the development of autonomous and intelligent systems and she is a member of the board of directors of the Partnership on AI, where she represents IBM as one of the founding partners. She has been a member of the European Commission High Level Expert Group on AI and the general chair of the AAAI 2020 conference. She will be the AAAI president in 2022-2024. At IBM, she is the PI in exploratory research projects, also in collaboration with MIT and RPI, on topics that range from embedding ethical principles into AI decision making to exploiting cognitive theories of human decision making to define more flexible, robust, and general AI systems. She also co-leads the internal IBM AI Ethics board, that coordinates the governance of AI ethics within the whole company.

Nicolas Miailhe co-founded The Future Society (TFS) in 2014 and originally incubated it at the Harvard Kennedy School of Government. An independent think-and-do-tank, TFS specializes in questions of impact and governance of emerging technologies, starting with Artificial Intelligence through its "Al Initiative" launched in 2015. A recognized strategist, thought-leader, and implementer, Nicolas has lectured around the world, and advises governments, international organizations, philanthropists, and multinationals. He is the co-Convener of the Al Civic Forum (AICF) organized in partnership with University of Montreal (Algora Lab), Mila, and UNESCO; and of the Global Governance of Al Forum (GGAF) organized yearly during the World Government Summit in Dubai. He is also an appointed expert to the Global Partnership on Al (GPAI), to the Al Group of experts at OECD (ONE.Al & AIGO), and to the Global Council on Extended Intelligence (CXI). Nicolas teaches at the Paris School of International Affairs (Sciences Po), and at the IE School of Global and Public Affairs in Madrid. He is also a member of three committees of the IEEE Global Initiative on Ethically Aligned Design of Autonomous & intelligent Systems, a Senior Research Associate with the Program on Science, Technology and Society at Harvard, and a Fellow with the Center for the Governance of Change at IE Business School in Madrid.

REVIEW WITH ATTENDEES PRIVACY, TRUST, HUMAN OVERSIGHT

Mélanie Graham holds four degrees in English, including a Ph.D from Lancaster University, U.K. and has taught business writing for over fourteen years. She teaches Professional Writing at North Carolina State University and Academic Writing, Creativity Management, and Ethics at the Raleigh campus of SKEMA Business School. She finds the world of AI to be simultaneously fascinating and terrifying.

CONCLUSION & NEXT STEPS

John Banja is a Professor in the Department of Rehabilitation Medicine and a medical ethicist at the Center for Ethics at Emory University. He also directs the Section on Ethics for the Georgia Clinical and Translational Science Institute at Emory. Dr. Banja received a doctorate degree in philosophy from Fordham University in New York and has taught and lectured on topics in medical ethics throughout the United States. He has authored or coauthored over 200 publications and has delivered over 800 invited presentations at regional, national, and international conferences. He currently serves as the Editor of the American Journal of Bioethics-Neuroscience, the leading scholarly journal in the field of neuroethics. Dr. Banja has conducted research or educational projects with numerous federal and private organizations including the NIH, the American College of Surgeons, The Agency for Health Care Research and Quality, The National Institute for Disability and Rehabilitation Research, the American Society for Healthcare Risk Management, and the Georgia Hospital Association. He is a former board member of the Commission for Case Manager Certification as well as the American Society of Cataract and Refractive Surgery. His research interests include topics in patient safety, neuroethics, artificial intelligence and ethical dilemmas occurring in clinical and translational research. His most recent book, Patient Safety Ethics, was published by Johns Hopkins University Press in 2019.



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Anne-Elisabeth Courrier is an Associate Professor in Public Law at the French University of Nantes. She joined the Center for Ethics, Emory University in April 2019 as a Visiting Fellow. From her PhD in Law on the "Ethos of Public Service in a comparative study between Great Britain and France" at the University of Paris I, Panthéon-Sorbonne, in collaboration with Oxford University, she has centered her research interests to the relationship between Law and Ethics from a comparative perspective. With Postdoctorate Fellowships at the European University Institute (Florence, Italy) and at the Corvinus University of Budapest in Hungary, she has become more specialized on Ethics and the Law in social corporate responsibility, public governance, and, more recently, on Big Data and Artificial Intelligence, through European and American perspectives. Taking part in the French Research group Data-Santé and working with the French Laboratory "Droit et Changement Social" (Law and societal changes)(UMR CNRS 6297), she is, within the Emory Center for Ethics, involved in different perspectives of collaboration between universities to help students and scholars benefit from the diversity of approaches and the exchange agreements she deeply enjoyed when she was a student.

RAMI ABI-AKL 🕖 🔪

ENCH/AMERICAN DIALOGUE

Attaché for Science and Technology, Embassy of France in the USA, Consulate General of France, Atlanta

PASCALE BEYAERT 🕖

Cooperation and Cultural Attaché, Head, Office of the Cultural Services of the French Embassy in the United States, Consulate General of France, Atlanta

