

ARTIFICIAL INTELLIGENCE

Towards a humanistic approach

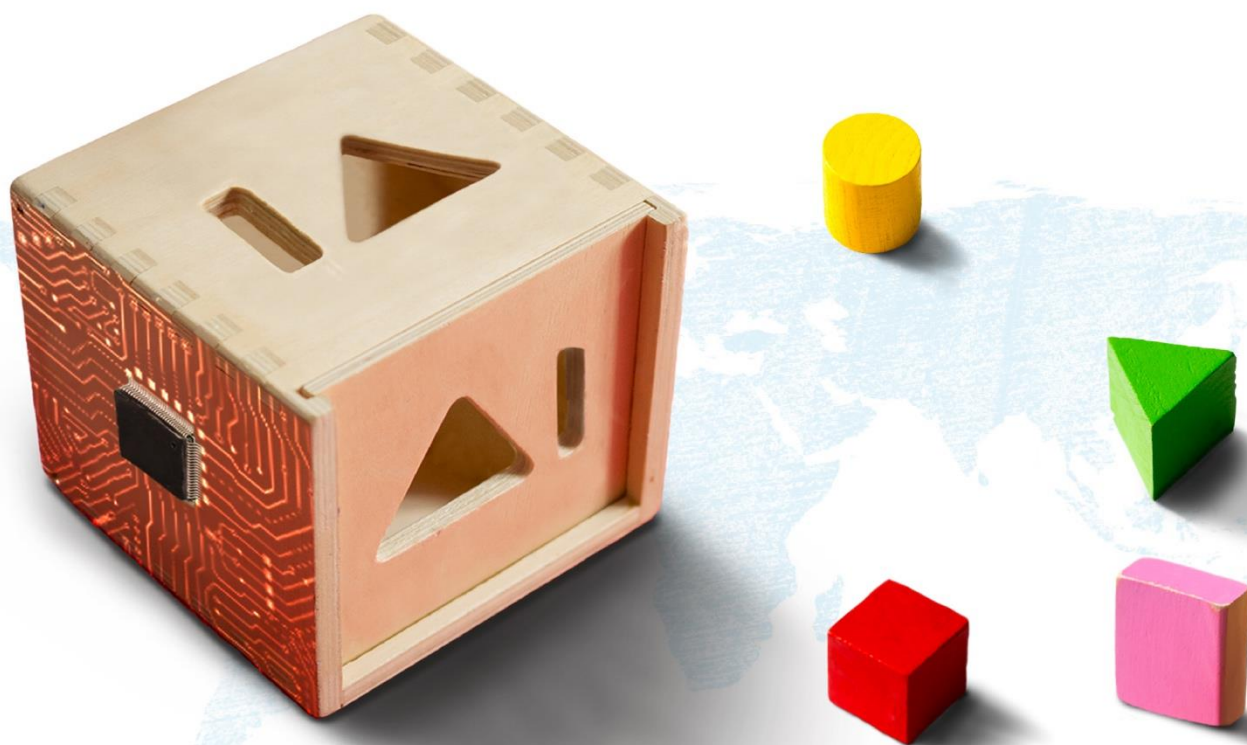
Regional Forum on AI
in Latin America and the Caribbean

12-13 December 2019, São Paulo - SP - Brazil

Anfiteatro Camargo Guarnieri - USP

Universidade de São Paulo - R. do Anfiteatro, 109

Butantã, São Paulo - SP / Brazil



SPEAKERS

SPEAKERS



Carlos Affonso

PhD and master's degree in Civil Law from the State University of Rio de Janeiro (UERJ). Professor at the Law School of UERJ and PUC-Rio. Visiting Researcher at the Information Society Project, Yale Law School. Visiting Professor at University of Ottawa Faculty of Law. Co-founder and director of ITS Rio.



Carlos Vogt

Carlos Vogt has an undergraduate degree in theory of literature and comparative literature from the University of São Paulo (USP), a master's degree in French general linguistics and stylistics from the University of Besançon in France, and a PhD in sciences from the Universidade Estadual de Campinas (Unicamp). In 2005, he received the commendation of the Order of Scientific Merit, from the Presidency of the Republic of Brazil, and the title of Doctor Honoris Causa of the École Normale Supérieure de Lyon, France. Since September 2011, occupies the 23rd chair of the Academia Campinense de Letras. He is emeritus professor at Unicamp and coordinator of the University's Laboratory for Advanced Studies in Journalism (Labjor), from which he was rector from 1990 to 1994. He has published books, several of them poetry books, and numerous articles and essays in newspapers, magazines and in national and international specialized agencies. He is the general publishing coordinator of the scientific magazine ComCiência (<http://www.comciencia.br>), was editor-in-chief of Ciência e Cultura (<http://cienciaecultura.bvs.br/scielo.php>), a magazine of the Brazilian Society for the Progress of Science (SBPC), from 2002 to 2007, and again in 2017, and of Inovação magazine, from 2006 to 2007. He was copywriting director of the Pré-Univesp magazine, from 2012 to 2016, and cultural coordinator of Fundação Conrado Wessel (FCW) from 2007 to 2017. He was president of Fundação de Amparo à Pesquisa do Estado de São Paulo (Fapesp), from 2002 to 2007, Secretary of Higher Education of the State of São Paulo, between 2009 and 2010, and president of the Fundação Universidade Virtual do Estado de São Paulo (Univesp), from 2012 to 2016.



Carolina Botero

Carolina Botero Cabrera is Director of the Karisma Foundation. She is a columnist for El Espectador and La Silla Vacía. She is a lawyer with a master's degree in international and cooperation law (VUB - Belgium), and master in Trade and Contracting Law (2006, UAB - Spain). For more than a decade she has been working in the promotion and defence of human rights on the Internet. She is a member of the Board of Directors of Creative Commons. She writes opinion columns in El Espectador and La Silla Vacía. Twitter: @carobotero.



Cédric Wachholz

Cédric Wachholz heads UNESCO's ICT in Education, Science and Culture Section and lead-facilitates, under the Assistant Director-General for Communication and Information (ADG/CI), UNESCO's work on Artificial Intelligence (AI). UNESCO's AI work focuses on the ethical dimension of AI, on AI for SDGs through advocacy, capacity development, and public policy development for a human-rights based, human-centred and ethical AI. The organization also harnesses AI-related opportunities in its field of competence (education, sciences, culture, communication and information), and serves as a platform for multi-stakeholder dialogue on AI innovations for development. Previously, as Chief of the Executive Office of UNESCO's Communication and Information (CI) Sector, Cédric provided strategic decision-making support to the Assistant Director-General for CI, regarding the management of the Sector's activities, budget and staff (Jan. 2017 until Feb. 19). Before, he coordinated UNESCO's World Summit on the Information Society follow-up, covering a wide range of ICT issues in the fields of the Sciences, Culture, Education and Communication and Information, including also Internet Governance. Cédric is originally an e-learning specialist and headed before ICT in Education Unit in UNESCO's Education Sector. From 2006-8, he worked in the office of UNESCO's Assistant Director-General for Education and from 2002-2006, as Chief of the ICT in Education Unit in the UNESCO Asia and Pacific Regional Bureau for Education in Bangkok, Thailand. In the Regional Bureau, he led the work of 15 people on ICT projects in the areas of Policy-, SchoolNet- and indicator development, in teacher and non-formal education, curriculum and content development. From 2000-2002, Cédric Wachholz was the ICT in Education Focal Point in UNESCO HQ Educational Policies and Strategies Division. He started his UNESCO work in 1998 in the Education for All (EFA) Division.



Cordel Green

Mr. Cordel Green is an Attorney-at-Law, a former Assistant Attorney-General of Jamaica and a former broadcaster. He is the Executive Director of the Broadcasting Commission, which regulates radio, television and cable in Jamaica. He is also a Commissioner for the Jamaica National Commission for UNESCO; Jamaica's representative on the Inter-Governmental Council of UNESCO's Information For All Programme (IFAP), Paris; Member of the Law Committee, IEEE Global Initiative for Ethical Consideration in Artificial Intelligence and Autonomous Systems; Member of the IEEE News Site Trust Working Group; Fellow of the Telecommunications Executive Management Institute of Canada; and Honorary member of the Multicultural Media, Telecom and Internet Council, Washington D.C. He holds Bachelor of Arts (Hons.) and Bachelor of Laws (Hons.) degrees from the University of the West Indies; a Master of Laws Degree with distinction, from the University of Sheffield in England; and a Master of Business Administration degree from the Mona School of Business. He is also an alumnus of the Harvard Kennedy School Executive Education Programme and a Chevening Scholar.



Cristina Gómez

Cristina Gómez Santamaría is the head of the artificial intelligence team at the Center for the Fourth Industrial Revolution, Colombia. In 2018 she co-founded Maia Technologies, a startup that provides specialized social network analysis for content strategy; audio analytics for fraud detection; and optimization developments for logistics. She has worked for more than 15 years as researcher and professor at the Faculty of Information and Communication Technologies (ICT) Engineering. She has participated in technological research and development projects including: Improving the efficiency of the use of water resources in a has avocado crop through digital agriculture, transmedia. Contents to prevent cyberbullying for children between 7 and 9 years old in Colombian schools, Compressed Localization and Spectrum Sensing for Cognitive Radio and Distributed Radio Surveillance, and dynamic spectrum assignment for spectrum management using cognitive radios and TV White spaces.

She has also served as academic coordinator for the ICT emphasis in the Engineering Doctorate. She received her Ph.D., M.Sc. and B. Sc. Degree in Engineering at Universidad Pontificia Bolivariana, Medellín, Colombia.



Cristóbal Cobo

Cristóbal Cobo is a Senior Education Specialist at the World Bank, focusing on the effective and appropriate use of new technologies in education. Before joining the World Bank in 2019, where he is a core member of the World Bank's global edtech team, Dr. Cobo spent 15 years working at the intersection of future of learning, cultures of innovation and human-centered technologies across both developed and developing countries. From 2014-2019, Dr. Cobo served as founding Director of the Center for Research at the Ceibal Foundation in Uruguay, leading initiatives to learn from one of the world's most notable examples of the use of educational technologies at scale across an entire education system, Plan Ceibal. Created in 2007, the pioneering Plan Ceibal has provided all students in public education with a free computer and connected all public schools to the Internet, part of a larger national effort to support greater inclusion and equal opportunities within the education system. Before joining the Center for Research at the Ceibal Foundation, Cristóbal spent five years as an associate researcher at the Oxford Internet Institute at the University of Oxford (UK). Prior to that, Dr. Cobo was professor and director of communications at the Latin American Social Sciences Institute (FLACSO) in Mexico from 2005 to 2010. A well-known speaker on topics related to the use of new technologies in education around the world, Cristóbal has provided keynote addresses in over 30 countries and spoken at four TEDx events. He has also served as a consultant for a number of national education programs across Latin America, most notably Mexico, Chile, Ecuador, Peru and Argentina. He has published four books and over 80 academic articles; his most recent publication is *I accept the terms and conditions: Uses and abuses of digital technologies* (2019). A native of Chile, Cristóbal received his Ph.D. in human-computer interaction from the Autonomous University of Barcelona. You can follow him on Twitter: [@cristobalcobo](https://twitter.com/cristobalcobo).



Cyrus Hodes

Cyrus Hodes is a venture partner at FoundersX Ventures, a silicon-valley based VC firm focusing on AI and robotics growth engines. He is the co-founder and Executive Director of the AI Initiative of The Future Society a non-profit, incubated at Harvard Kennedy School. Cyrus served as Advisor to the UAE Minister of Artificial Intelligence. Co-leading the Global Data Commons project within AI Commons. He is a Member of the OECD Expert Group on AI (AIGO), of the Council on Extended Intelligence (MIT-IEEE) and part of IEEE Ethically Aligned Design. Educated at Sciences Po Paris, holds a M.A. (Hons) from Paris II University and a M.P.A. from Harvard.



Demi Getschko

Electrical Engineer graduated from Engineering School of the University of São Paulo, with master's degree and PhD in Engineering. He is Counselor at CGI.br (Brazilian Internet Steering Committee), CEO of NIC.br (Brazilian Network Information Center) and Associate Professor at PUC (Pontifical Catholic University of São Paulo). In April 2014, he was elected the first Brazilian to appear on the Internet Hall of Fame of Internet in the "Global Connectors" category for his "key role in establishing the first Internet connection in Brazil" during a ceremony held in Hong Kong by the Internet Society. In July of the same year, he was awarded the "Cristina Tavares" prize, from the Brazilian Computer Society. He was a member of the Internet Corporation for Assigned Names and Numbers (ICANN) Board by the Country Code Names Support Organization (ccNSO). On December 11, the day of the Engineer, was also awarded the "Personality of Technology in 2014" prize by SEESP (Engineering Union of São Paulo State), in recognition of his scientific-technological work and his dedication to the country development. In May 2016, he was admitted to the Ordem do Mérito das Comunicações with "Official Degree", as a way of acknowledging his relevant services provided to Communications.



Diego Fernández Montero

Statistician with a master's degree in Political Science with emphasis on public policies and democratic governance of the University of Costa Rica. Studies visualization and data mining in multiple face-to-face and virtual courses. Ten years of experience in information systems design and data analysis to improve decision making in companies and governments. He has been a consultant to multiple national and international organizations: UNFPA, UNICEF, ILO and the IDB. Professor for nine years in the Central American Master in Social Policy Management and Public Management of the Central American Institute in Public Administration (ICAP). Co-author of two books and several academic articles. He is currently Director of the Presidential Data Analysis Unit (Chief Data Officer) and Advisor to the President of the Republic of Costa Rica.



Edson Prestes

Edson Prestes is Professor at Institute of Informatics of the Federal University of Rio Grande do Sul, Brazil. He is leader of the Phi Robotics Research Group and CNPq Research Fellow. He received his B.Sc. in Computer Science from the Federal University of Pará (1996), Brazil, and MSc (1999) and Ph.D. (2003) in Computer Science from Federal University of Rio Grande do Sul, Brazil. Edson is Senior Member of the IEEE Robotics and Automation Society (IEEE RAS) and IEEE Standards Association (IEEE SA). Over the past years, he has been working in different initiatives related to Standardisation, Artificial Intelligence, Robotics and Ethics. For instance, Edson is Member of the United Nations Secretary General's High-level Panel on Digital Cooperation; Associate Vice President on the IEEE RAS Industrial Activities Board; Chair of the IEEE RAS/SA 7007 - Ontological Standard for Ethically Driven Robotics and Automation Systems Working Group; Member of the IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems; Member of the IEEE RAS Special Interest Group on Humanitarian Technology; Academic Committee Member of Zhejiang University Robotics Institute, China; Fellow at US EP3 Foundation and Member of the MIT/IEEE Global Council on Extended Intelligence.



Ellen Helsper

Dr Ellen Helsper is Professor of Socio-Digital Inequalities in the Media and Communications Department at the London School of Economics and Political Science. Her research interests include the links between social and digital inequalities; digital literacy; interpersonal mediated communication; and methodological innovation in quantitative and qualitative media and communications research. Her work is truly global in nature through her involvement in the From Digital Skills to Tangible Outcomes; Connected Communities and Inclusive Growth; YSkills; Global Kids Online and World Internet research projects. She consults widely for governments, the third and commercial sector on issues to do with client and citizen engagement in increasingly digital societies. Ellen holds and has held Visiting Scholar positions at prestigious universities and research institutes in Latin America (Brazil, Chile), the US (LA, NY, Boston), Europe (Netherlands, UK, Spain) and the Middle East (Kuwait). She has an MSc degree in Media Psychology from Utrecht University and worked in Europe, Latin America and the US in commercial market and audience research.



Emmanuel Letouzé

Dr Emmanuel Letouzé is the Director and co-Founder of Data-Pop Alliance, a non-profit global coalition on Big Data, AI and development created in 2013 by the Harvard Humanitarian Initiative (HHI), MIT Media Lab and Overseas Development Institute (ODI), joined by Flowminder in 2016. He is a co-Founder and Executive Director of the OPAL (Open Algorithms) project and is a Fellow at MIT, as well as a Research Affiliate at HHI and ODI. He wrote UN Global Pulse's report "Big Data for Development" in 2011, where he worked as Senior Development Economist, and has since then focused on the applications and implications of new data, technology and algorithms for human development. He worked as an Economist for UNDP in New York on fiscal policy, post-conflict recovery and, at HDRO, migration (2006-09), and in Vietnam for the French Ministry of Finance as a technical assistant in public finance and official statistics (2000-04). He holds a BA in Political Science and an MA in Applied Economics-Economic Demography from Sciences Po Paris, an MA in International Affairs-Economic Demography from Columbia University, where he was a Fulbright Fellow, and a PhD in Demography from the University of California, Berkeley. He is also a political and editorial cartoonist for various media.



Erica Simmons

Mrs. Erica Simmons is the Executive Director of The Centre for Digital Innovation & Advanced Manufacturing (CDIAM) at the Caribbean Maritime University in Kingston, Jamaica. She runs the Caribbean regions foremost R&D centre for Digital Transformation & Industry 4.0 technologies such as additive manufacturing, industrial internet of things, artificial intelligence, machine learning, predictive analytics and virtual/augmented reality. A patented inventor and innovator, Mrs. Simmons spent 25 years in the Enterprise Software Industry where she was an award-winning woman in technology at Siemens AG and Oracle Corporation. She has a B.A Degree in Sociology from the University of North Texas and is a frequent speaker on the 4th Industrial Revolution and the opportunities for wealth creation in this next industrial age.



Fábio Rua

Fábio Rua is Director of Government Relations and Regulatory Affairs of IBM Latin America. In the leadership of a multidisciplinary team that acts directly in nine countries, his mission is to contribute to the digital transformation and technological adoption of Latin American governments and society. Before the multinational, he was director of Government Relations of GE Latin America and director of International Trade Policies of Embraer. He also worked at Vale and at AMCHAM Brazil, where he held managerial functions related to corporate and institutional areas. He holds a degree in International Relations, a postgraduate degree in Economic Diplomacy and a master's degree in International Business Management. Fábio is co-founder of the "Brazil, Digital Country" Movement, which is dedicated to building a more digital and less unequal country.



Gašper Hrastelj

In February 1999, Gašper Hrastelj graduated in the fields of Political Sciences, Law and Social Anthropology from Johannes Gutenberg University in Mayence, Germany. In general, he participated in subjects dealing with different issues of international relations, international law and the study of none-European cultures and societies. After university, he was in the position to gain professional experiences during his engagement for UNESCO Headquarters in Paris, the UNHCR Branchoffice in Ljubljana, the Office of the Slovenian Prime Minister as well as for the Ministry of Foreign Affairs of the Republic of Slovenia. As for the last 12 years, he has been professionally engaged with the Slovenian National Commission for UNESCO. Today, he is holding the position of its Deputy Secretary General. His main fields of interest are OpenEducation, Artificial Intelligence, Education, UNESCO and Sports, Inclusion of Youth.



Isabela Ferrari

Isabela Ferrari is a Brazilian Federal Judge since 2012. She holds a master's degree on Public Law from the University of Rio de Janeiro (UERJ), where she is currently a Ph.D. candidate. She was a Visiting Researcher at Harvard Law School (2016/2017) and is the Academic Coordinator of the New Law Institute.



Jasmina Byrne

Jasmina Byrne is Head of Policy, UNICEF Office of Global Insight and Policy. Ms. Byrne has over 20 years of experience in leading global research, policy and programme development for children. UNICEF's Global Insights and Policy serves as an internal think-tank, providing UNICEF with intelligence on a range of issues affecting children, scanning the horizon for frontier issues and ways of working and promoting global discourse and policy development. Key areas of work include digital connectivity, governance innovation, environment and human capital. Prior to joining the Global Insights office, Ms Byrne managed UNICEF Office of Research portfolio on children and digital technologies, child rights and child protection. She is one of the creators and leads of Global Kids Online, multi-country research initiative on children's use of digital technologies and co-leads of UNICEF's policy development on digital connectivity and children, including AI and children and data governance for children. She has authored and co-authored several studies on children's use of digital technologies and internet governance. She has also led child rights programmes in development and humanitarian setting in South East Asia, Europe and Southern Africa. Jasmina Byrne holds MA in international relations and human rights studies from Central European University.



Jennifer May

Ambassador Jennifer May joined Global Affairs Canada in 1990 following Master's studies in International Relations at the University of Vienna Austria. She arrived in Brasilia in August 2019 following four years as Deputy Head of Mission at the Canadian Embassy in Berlin, Germany. At Headquarters, her assignments have focused on Europe and security issues, serving as Executive Director of Defense and Relations, Director of Eastern Europe and Eurasia Relations and in various positions in the Directorates of Southern and Northern Europe Relations. Abroad, she has served in Bonn, Hong Kong, Beijing, Vienna and Bangkok, and most recently in Berlin. She is accompanied in Brasilia by her husband Markus Streibel and two teenage children; her oldest son is currently studying at university in Vienna.



José Antônio Guridi

Advising Minister of Science, Technology, Knowledge and Innovation. Coordinator of the Work Plan for the Artificial Intelligence Policy of Chile. Civil Engineer of industries, with master's degree in Industrial Engineering and Systems Engineering. He previously worked at the Future Unit of the Ministry of Economy, Development and Tourism, where he actively participated in the conceptual design and creation of the Data Observatory.



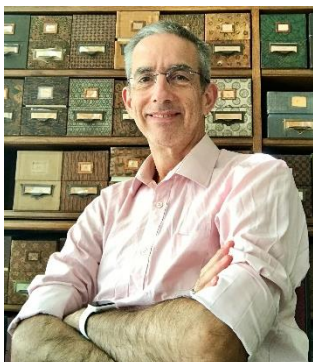
José Luiz Ribeiro Filho

José Luiz Ribeiro Filho holds a Ph.D. in Computer Science from the University of London, a master's degree in Computer Science from COPPE Sistemas. He is an Electronic Engineer from UFRJ. He participated on and led several projects in the areas of computer architecture and electronic networks at NCE/UFRJ in the 80's. He is currently Director of Services and Solutions of the Soluções da Rede Nacional de Ensino e Pesquisa (RNP), responsible for the national coordination of several projects, including the Redecomep (Redes Comunitárias Metropolitanas de Educação e Pesquisa) and Rute (Rede Universitária de Telemedicina) projects. José Luiz was also an advisor to the Brazilian Internet Steering Committee (CGI.br) between 1998-2000 and 2011-2014, representing the country and RNP in various forums and international entities such as the Internet Society (ISOC), Internet 2, ICANN, LACNIC, among others.



Katitza Rodriguez

Katitza Rodriguez is EFF's international rights director. She concentrates on comparative policy of international privacy issues, with special emphasis on law enforcement, government surveillance, and cross border data flows. Her work in EFF's International Program also focuses on cybersecurity at the intersection of human rights. Katitza also manages EFF's growing Latin American programs. She was an advisor to the UN Internet Governance Forum (2009-2010). In 2018, CNET named Katitza one of 20 most influential latinas in technology. In 2014, she was also named one of "The heroes in the fight to save the Internet".



Leão Serva

Journalist and writer, Journalism Director for TV Cultura, public TV in São Paulo State. Master's degree and PhD in Communication and Semiotics at PUC-SP. Currently engaged in a Post-Doctoral research in Neural Impact of the War Images at the NEMA (Lab of Neuromarketing of ESPM University, São Paulo (since 2018). Author of several books, among others:

- "Como Viver em São Paulo Sem Carro (How to Live in São Paulo Without a Car, annual guide, three editions in 2012/2013/2014);
- "A Desintegração dos Jornais" (The Disintegration of Newspapers, media-critic, 2015);
- "Um Tipógrafo na Colônia" (A Typographer in Colonial Brazil, history, 2014);
- "Jornalismo e Desinformação" (Journalism and Misinformation, media critic, 2001).



Lidia Brito

Forest Engineer, PhD in forestry and wood sciences from Colorado State University in the United States, was born in Mozambique and was part of Eduardo Mondlane University since graduation in Forest Engineering in 1981. She has held positions of responsibility in Mozambique, as Head of the Forestry Department of the Faculty of Agronomy (1997-1998), Vice Chancellor for Academic Affairs of the Eduardo Mondlane University (1998-2000), Minister of Higher Education, Science and Technology (2000- 2005), and Advisor of Strategic Planning and External Relations of the Mayor of the city of Maputo (2005-2008). She started working at UNESCO in November 2009 as Director of Scientific Policy and Sustainable Development in the Natural Sciences Sector, at Headquarters in Paris, and since April 2014 she is the UNESCO Regional Director of Science for Latin America and the Caribbean and UNESCO Representative in Argentina, Paraguay and Uruguay, based in Montevideo. Her areas of expertise range from forest management and sustainable management of natural resources to higher education, science and technology policies and programs as part of public policies for sustainable development. He has chaired several commissions and task forces, particularly in higher education and ITS for sustainable development. She was co-chair of the Organizing Scientific Committee of the Planet Under Pressure Conference in London, an important conference for the preparation of Rio + 20, and has been a member of several international Boards such as the Board of Directors of the African Foresters Forum, CHET Board, Stockholm Environmental Institute, Bioversity Government Board, among others. She is currently the co-chair of the Organizing Committee of the III Open Science Forum for Latin America and the Caribbean (CILAC 2020).



Luis Lamb

Luis Lamb is Full Professor of Computer Science and AI, and Secretary of Innovation, Science and Technology of the State of Rio Grande do Sul, Brazil. He was formerly Vice President for Research (2016-2018) and Dean of the Institute of Informatics (2011-2016), at the Federal University of Rio Grande do Sul, Porto Alegre, Brazil. He holds both the Ph.D. in Computing Science from the Imperial College London (2000) and the Diploma of the Imperial College (D.I.C.) (2000), MSc (1995) and BSc in Computer Science (1992) from the Federal University of Rio Grande do Sul, Brazil. In 2010 he received the MIT Executive Certificate in Strategy and Innovation and in 2014 he received the Executive Certificate in Management and Leadership. He has been Honorary Visiting Fellow at the Department of Computing, City University London and Visiting Research Fellow, Abductive Systems Group, Department of Philosophy, University of British Columbia, Canada (group led by John Woods). His research interests include: Artificial Intelligence, Machine Learning and Reasoning; Ethics in AI and Technology. Lamb has co-authored two research monographs: Neural-Symbolic Cognitive Reasoning (2009) and Compiled Labelled Deductive Systems (2004). He is an Editorial Board Member of the Cognitive Technologies Book Series (SpringerNature), and he is on the editorial board of the Logic Journal of the IGPL (Oxford) and the Journal of the Brazilian Computer Society (Springer). He is member of the Programme or Organizing Committee of a large number of international conferences and workshops on Artificial Intelligence, Cognitive and Social Computing and, Logic in Computer Science. Lamb's research has led to publications in leading journals and at the flagship Artificial Intelligence AAAI, IJCAI, NIPS, HCOMP. He was co-organizer of the Dagstuhl Seminar 14381: Neural-Symbolic Learning and Reasoning in 2014 and Human-Like Neural-Symbolic Computing in 2017. Lamb holds an Advanced Research Fellowship (2017-2021) from the Brazilian National Research Council CNPq. He is a professional member of the ACM, ACM SIGACT, AAAI, AMS, ASL, IEEE, C&GCA, and the Brazilian Computer Society.



Luiz Sergio Pires

Luiz is Director of Microsoft's Advanced Technology Labs in Brazil (ATL-Brazil) and is responsible for the company's research efforts and partnerships in the region. The ATL-Brazil focuses on developing new technologies and solutions in the area of artificial intelligence and computer vision applied to video understanding. Over the past two years, ATL-Brazil has partnered with a number of local and global companies and organizations to pioneer the use of sophisticated video analytics technologies in a variety of applications – from traffic monitoring, to patient care and worker safety. Prior to Microsoft, Luiz managed McKinsey & Company's global Advanced Industries Sector (Connecticut/New York). He previously managed McKinsey's EMEA High Tech Practice (Munich) and served as Senior Consultant at McKinsey's Business Technology Office (BTO) in Latin America (Rio de Janeiro/São Paulo). In addition, Luiz has held positions as technology SETA at DARPA (Washington DC), as Principal Research Scientist at Honeywell Labs (Minneapolis), and at Cray Research's Advanced Projects group (Wisconsin). Luiz earned his bachelor's degree in Computer Science from the University of Wisconsin, a master's degree in Computer Science from the University of Minnesota and a master's degree in Business Administration from the Carlson School of Management at the University of Minnesota.



Marcos Pontes

Astronaut Marcos Pontes was born in Bauru, São Paulo, on March 11, 1963. He is Lieutenant Colonel Aviator R1 of the Brazilian Air Force and aeronautical engineer, graduated from the Aeronautical Technological Institute (ITA). He holds a master's degree in Systems Engineering by the Naval Postgraduate School, of California, and is a pilot test of fighter jets with more than 2,000 flight hours on 25 aircraft types including F-15 Eagle, F-16 Falcon, F-18 Hornet and Mig-29 Fulcrum. Member of the 1998 astronaut class of NASA, Marcos Pontes is the only Brazilian to go to space. He is also the first professional astronaut to officially represent a Southern Hemisphere country in space. Pontes held the Centenary Mission in 2006, the result of a partnership between the Brazilian Space Agency and the Russian Space Agency. He was responsible for the maintenance of spacecraft systems and the execution of scientific research projects selected by the Brazilian Academy of Sciences, working 10 days at the International Space Station as a Mission Specialist. Mr. Pontes has extensive experience as a project manager and program manager, working on relevant international projects in the aerospace industry at companies and institutions such as NASA, JAXA, ESA and Boeing. He has 30 years of experience in risk management and operational safety. With a strong military and academic background, Pontes holds a bachelor's degree in Public Administration and serves as the United Nations Industrial Development Organization (UNIDO) Goodwill Ambassador, working mainly in sustainable development programs.

Since January 1, 2019, Marcos Pontes is the Minister of State for Science, Technology, Innovations and Communications of Brazil.



Maria Florencia Ripani

Maria Florencia Ripani is the Director of Fundación Ceibal, in Uruguay, where she leads the innovation and research strategy of the centre, with a focus on the creative use of digital technologies to enhance education. She was previously the National Director of Innovation, at the Ministry of Education, Culture, Science and Technology, in Argentina, where she led the digital literacy policy for the whole country. She conducted the national curriculum reform for the integration of digital education, programming and robotics into compulsory education in Argentina. She also conducted the digital strategy at the Ministry of Education of Buenos Aires, after specializing in digital media and public policy management at the BBC, in London. She is also a professor at Universidad Austral, in Argentina, where she directs the Digital Innovation Laboratory, a research centre at the School of Education. She is interested in innovation and research initiatives that promote the creative use of programming and robotics to solve real-world problems and challenge the boundaries between technology, arts, digital culture and education. She has a degree in Social Communication from the Universidad Nacional de Rosario, in Argentina, and a Master of Arts in Documentary by Practice from Royal Holloway University of London, in the UK. She regularly publishes articles and make presentations in international conferences.



Maximiliano Martinhão

Telecommunications Engineer at Instituto Nacional de Telecomunicações (Inatel) of Santa Rita do Sapucaí (MG), holds a master's degree in Telecommunications Management at the University of Strathclyde in the United Kingdom. He is a lawyer graduated at The Higher Education Institute of Brasília (Iesb). Since 2005, he holds the position of Specialist in Regulation of Public Telecommunications Services of the Agência Nacional de Telecomunicações (Anatel). He has held other management and advisory positions at Anatel and has served as Planning Engineer of Telebrás System.



Moez Chakchouk

Moez Chakchouk has served as UNESCO's Assistant Director-General for Communication and Information since May 2018, where he is responsible for the Organization's programmes on fostering freedom of expression and building inclusive knowledge societies. From 2015 to 2018, Mr Chakchouk was Chairman and CEO of the Tunisian Post, a leading institution for social and financial inclusion in Tunisia. In February 2011, after the Tunisian revolution, Moez was appointed Chairman and CEO of ATI (the former Tunisian Internet Agency), the leading internet operator in Tunisia since 1996. In 2015, he served as a member of the Global Commission on Internet Governance. He obtained an MS in Telecommunications and a PhD in telecommunications and applied mathematics in 2009 from Paris Descartes University, France. Moez is a strong defender of human rights online and offline, has led technology transformations in his country and beyond, and participated in numerous international forums and conferences.



Nicolas Mialhe

Nicolas Mialhe co-founded The Future Society in 2014 and incubated it at the Harvard Kennedy School of Government. An independent think-and-do-tank, The Future Society specializes in questions of impact and governance of emerging technologies, starting with Artificial Intelligence through its "AI Initiative" launched in 2015. A recognized strategist, thought leader, and implementer, Nicolas has lectured around the world, and advises multinationals, governments and international organizations. He is the co-Convener of the Global Governance of AI Roundtable (GGAR) organized yearly during the World Government Summit in Dubai, as well as a member of the AI Group of experts at OECD (AIGO), of the World Bank's Digital Economy for All Initiative (DE4ALL), and of the Global Council on Extended Intelligence (CXI). Nicolas teaches at the Paris School of International Affairs (Sciences Po), at the IE School of Global and Public Affairs in Madrid, and at the Mohamed bin Rashid School of Government in Dubai. He is also a member of three committees of the IEEE Global Initiative on Ethically Aligned Design of AI and Autonomous Systems, a Senior Visiting Research Fellow 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.



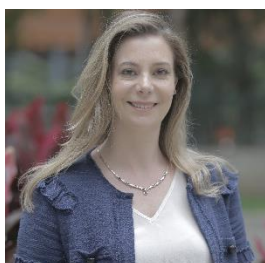
Octavio Kulesz

Octavio Kulesz is an Argentinian digital publisher, philosopher and researcher. He is the director of Teseo, one of the first e-publishing houses in Latin America. He is also the author of several reports that have contributed to a deeper understanding of the digital trends in emerging regions, such as Digital Publishing in Developing Countries, published in 2011 in Spanish, French, English and Chinese. Since 2012, he has been one of the coordinators of the Digital Laboratory of the International Alliance of Independent Publishers, based in Paris. He is also a UNESCO expert on the 2005 Convention on the Protection and Promotion of the Diversity of Cultural Expressions.



Preetam Maloor

Preetam Maloor is the Head of the Emerging Technologies Division at the International Telecommunication Union (ITU), the specialized United Nations Agency for Information and Communication Technologies. With two decades of experience in ICTs, he is an expert on Artificial Intelligence and international cyber-related public policy matters. An ITU Staff member since 2008, he has been a key member of the ITU Secretariat at several major conferences including the 2012 World Conference on International Telecommunications (WCIT), 2010, 2014 and 2018 ITU Plenipotentiary conferences, the 2009, 2013, and 2021 World Telecommunication/ICT Policy Forums (WTPF), and the annual AI for Global Good Summit. He also serves as the Secretary of the ITU Council Working Group on international Internet-related public policy issues and the Expert Group on the International Telecommunication Regulations. Prior to joining ITU, Preetam spent nearly 10 years in the private sector, working primarily at Artificial Intelligence research organizations such as Intelligent Automation Inc, a Rockville, Maryland-based research think-tank focusing on AI-based applications, and at AT&T Research Labs, Florham Park, New Jersey in its Speech & Natural Language Research Group. He holds master's degrees in Computer Science from Texas A&M University, College Station, and in Engineering and Public Policy from the University of Maryland, College Park. He has a bachelor's degree in Computer Science and Engineering from the University of Mumbai.



Priscila Cruz

Priscila Cruz, CEO and co-founder of Todos pela Educação. She holds a master's degree in public administration from Harvard Kennedy School of Government and is featured student 2014/2015. She holds a degree in business administration from Getúlio Vargas Foundation (FGV-SP) and a law degree from University of São Paulo (USP). She is Chair of the Council of Instituto Articulê and member of the Councils of the Department of Judicial Research of the National Council of Justice (DPJ / CNJ), Museum of Modern Art of São Paulo, Fundação Itaú Social, Singularidades Institute, CEIPE/FGV and of Diversa at the Rodrigo Mendes Institute; She is a member of the Education Study Group at the Institute of Advanced Studies at Unicamp.



Raúl Echeberría

Raúl Echeberría is a broadly recognized expert in the fields of Internet Policy, Development and Governance sector. He currently works as an independent consultant. Raúl served as Vice-president for Global Engagement and Relations at Internet Society (ISOC) between 2014 and 2019, he was member of the Board of Trustees of ISOC between 2008 and 2014, and Chair of that Board between 2009 and 2012. Echeberría was one of the founders of LACNIC (The Internet Addresses Registry for Latin America and the Caribbean) and CEO of the organizations between 2002 and 2014. Along his career, Raúl has also served in other important positions like: Member of the Working Group on Internet Governance (WGIG) formed in 2004 by the United Nations Secretary General, member of the Uruguayan delegation to the World Information Society Summit (WSIS) in 2005, member of the Multistakeholder Advisory Group of the Internet Governance Forum (IGF MAG) between 2006 and 2014, and Co-chair of the Executive Committee of NetMundial in 2014. Echeberría has been awarded in 2014 with the "Ing. Julio Granato Award" for his contribution to the digital inclusion in Uruguay and in 2015 with the "Trayectoria Award" for his "continued contribution to an Open, Stable and Secure Internet for the development of Latin America and the Caribbean".



Regiane Relva

Special Adviser to the Ministry of Science, Technology, Innovation and Communication. Worked as Head of Research and General Coordinator Smart Campus FACENS. CEO VIP-SYSTEMS Informática. Writer. Professor (MBA: FGV, FIA, ESALQ, FDC, EINSTEIN and FACENS). International speaker. Consultant of innovation and technologies applied to businesses and smart cities. PhD, master's degree, 5 postgraduate degrees and improvements in ICT and business.



Rosa Vicari

PhD in Electrical and Computer Engineering from the University of Coimbra (1990). Full professor at the Federal University of Rio Grande do Sul in the Informatics Institute and also Chair of UNESCO coordinator of Communication and Information Technologies in Education. Experience in Computer Science, acting on the following topics: intelligent tutors, multi-agent systems, intelligent tutoring systems and Computer and education.



Sacha Alanoca

Sacha is an AI Policy Researcher and Head of Community Development at The Future Society. Her research centers on AI inclusion, human agency and civic engagement. She co-leads the AI Civic Forum, a platform to proactively engage citizens around the world in discussions on the ethics and governance of AI.

Prior to joining The Future Society, Sacha worked for the CivicTech Bluenove, specialized in civic consultations and collective intelligence. She also gained experience at the OECD's Development Center in Paris and at two leading Think Tanks in Brazil (CEBRI) and Chile (Chile 21). Sacha holds a master's degree in international public Affairs from Sciences Po Paris, where she specialized in Emerging Economies and Digital Innovation. Sacha is Franco-Chilean.



Sara Rendtorff -Smith

Sara Rendtorff-Smith is an experienced international human security and peacekeeping specialist committed to harnessing the power of data to facilitate evidence-based decision making in support of human security and social justice. She currently works as a Research Scientist at the MIT Media Lab and she is the Applied Research Lead for Data-driven Governance and Artificial Intelligence (AI) Policy at the MIT Probabilistic Computing Project. Here she is responsible for leading projects that broaden access to AI in support of the public interest and social justice. This includes identifying viable applications of probabilistic programming to public interest challenges and developing tutorial material on data science and AI for policy makers at international, national and municipal levels. Example applications include multivariate data search and data bias detection based on automated data modeling and a probabilistic query language. Sara is a member of the Council on Extended Intelligence (MIT-IEEE) and is regularly invited to speak at policy fora on issues related to AI justice, human security and peacekeeping. In 2018 she developed an online teaching module for the SDG Academy on artificial intelligence and the Sustainable Development Goals (SDGs) reaching policy makers, diplomats and sustainable development practitioners worldwide via the EdX platform. Rendtorff-Smith holds an MPA from Harvard University and an MA in International Relations from New York University, with her bachelor's degree in Political Science from the University of Copenhagen. She is proficient in Arabic, Danish, English, French and Spanish and is conversant in Dari/Farsi and German.



Sarah Box

Ms. Sarah Box is Senior Counsellor in the Directorate for Science, Technology and Innovation (STI) at the Organisation for Economic Co-operation and Development (OECD). In this capacity, she supports Directors on strategic issues such as mandates issued by the G7, G20 and other high-level fora, coordination and tracking of emerging and important work streams (including Artificial Intelligence), the development of STI's Programme of Work and Budget and oversight of STI's Communications Unit. Ms. Box joined the OECD in 2006 in the Development Co-operation Directorate. She moved to STI in 2007, where she has developed extensive experience across STI's wide scope of activity, including in the fields of human resources for science and technology, the OECD's Innovation Strategy, public research organisations, the shipbuilding industry, Internet openness and digital economy, as well as serving as Counsellor to STI Directors. Prior to joining the OECD, she worked as a senior research economist at the Australian Productivity Commission and as an economist at the New Zealand Treasury. Ms. Box, a New Zealand national, holds a master's degree in Economics from the University of Auckland (New Zealand).



Sasha Rubel

Sasha Rubel, Programme Specialist, Knowledge Societies Division, Communication and Information Sector, UNESCO. Sasha Rubel is programme specialist in the Communication and Information Sector at UNESCO. In this framework, she coordinates the Organization's work on artificial intelligence, digital transformation in the follow up to the World Summit on the Information Society, and internet governance. From 2013-2018, Sasha was liaison officer to the African Union and Economic Commission for Africa and Advisor in the Sahel for issues related to digital transformation and innovation, access to information, and freedom of expression. A former student of the École Normale Supérieure, she holds an MA in anthropology and new media studies and has undertaken a PHD in the anthropology of new technologies and digital transformation.



Sérgio Paulo Gallindo

Sérgio Paulo Gallindo is Executive President of Brasscom, Brazilian Association of Information and Communication Technology Companies, since 2014, Lawyer and Engineer, Master of Law from Mackenzie Presbyterian University, with Distinction and Praise; Master (M.Sc.) in Computer Science from the University of Texas at Austin, USA, supported by the Fulbright International Fellowship Program; Bachelor of Laws from USP, University of São Paulo; and Electronic Engineer from UFRJ, Federal University of Rio de Janeiro. Works in public policies aimed at the formation of talent and innovation in information and communication technology, disseminating the digital transformation with economic agents and society, based on Economic Law of Technological Innovation, Tax Law and Law & Economics. He is a member of CONIC, Superior Council for Innovation and Competitiveness of FIESP, Federation of Industries of the State of São Paulo; of the Employment and Labor Relations Council-CERT of FecomercioSP, Federation of Trade in Goods, Services and Tourism of the State of São Paulo; BETT Educar Advisory Council; the Advisory Council of the Institute of Social Opportunity - IOS; and associate of the Harvard Business School Angels of Brazil. He was a member of the CDES, Council of Economic and Social Development of the Presidency of the Republic from 2016 to 2018 and of the Executive Committee of the National Council of Red Tape - Brazil Efficient, for 2 years, since its creation in 2017. He was CEO of BT, British Telecom, in Brazil, from 2009 to 2014, leading expressive growth in the period. He was elected a member of Brasscom's Board of Directors for the 2012-2014 biennium, as Chairman of BT Brasil. Prior to assuming the leadership of the Brazilian unit, he held senior management positions at BT Latin America. Previously, he was Vice President of Nortel in Brazil and Executive Director of Corporate Business at GVT (currently Telefonica/Vivo). Acting in technology since 1980, Sérgio Paulo has led software development for mission-critical systems in Brazil and the US, the deployment of complex telecommunications networks, as well as sale, negotiation and execution of hundreds of million dollars contracts.



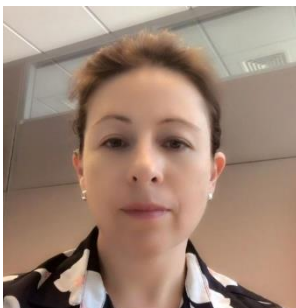
Sofia Jaramillo Otoyá

Sofía Jaramillo Otoyá currently serves as the Legal Advisor to the United Nations Special Rapporteur on the right to freedom of opinion and expression. She is also the Digital Rights Fellow at the University of California, Irvine School of Law. Prior to her position, she was the legal officer at Columbia University's Global Freedom of Expression. Sofia helped coordinate the Latin American chapter of the project and developed a teaching portal that offers academic and training resources on freedom of expression. She produced jurisprudence analyses, legal papers, and other publications on a range of topics concerning free expression. Sofia has devoted much of her career to international human rights mechanisms. She has worked with Special Rapporteurs for Freedom of Expression of the Inter-American Commission on Human Rights and the UN Special Rapporteur on extrajudicial executions. Sofia has also worked and consulted for regional organizations such as Dejusticia, Civitas, Foundation for Free Press and the Inter-American Press Association. Among others, she coauthored an advanced course on freedom of expression for judges and legal practitioners. Sofía received her law degree from Rosario University (Colombia), and her Master of Laws degree from Columbia University Law School where she was a Human Rights Fellow.



Vahan Agopyan

Undergraduate degree in Civil Engineering from The Escola Politécnica (Poli) of the University of São Paulo (USP) (1974), master's degree in Urban and Civil Construction Engineering from Poli (1978) and PhD (Civil Engineering) from University of London King's College (1982). He is a full professor of Civil Construction Materials and Components at Poli and a member of the Brazilian Council for Sustainable Construction. Rector of USP in the period from 2018 to 2022, he was Vice Rector, Graduate Pro-Rector, Director of Poli, President-Director and Counselor of the Instituto de Pesquisas Tecnológicas (IPT), Vice-President and Counselor of the International Council for Research and Innovation in Building and Construction, area representative at Capes, and as such, Board Member of the Agency, Coordinator of Science and Technology in the Secretariat for Development of the State of São Paulo, Chair of the Board of the do Instituto de Pesquisas Energéticas e Nucleares (Ipen) and member of the Superior Council of the Fundação de Amparo à Pesquisa do Estado de São Paulo (Fapesp). Has experience in the field of Civil Construction, focusing on Materials and Components, acting mainly with materials reinforced with fiber. More recently, he is dedicated to studies on quality and sustainability of constructions. He is commendator of the National Order of Scientific Merit, Eminent Engineer of the Year, Technology Personality, Citizen Paulistano and member of the Pan American Academy of Engineering and the National Academy of Engineering.



Valeria Jordán

Valeria Jordán (Bolivian, 1973) is an economic affairs officer at the Division of Production, Productivity and Management of the United Nations Economic Commission for Latin America and the Caribbean (UNECLAC) in Santiago, Chile. She holds an MBA from the Universidad del Desarrollo, Santiago, Chile (2005). Mrs. Jordan started her career in 1999 at the Bolivian Telecommunications Regulatory Agency, where she served as analyst of market competition. In 2006, she joined ECLAC to work on ICT4D. She has contributed to the development of ICT Indicators and the implementation of two ECLAC-European Commission regional projects on the information society (@LIS). Currently, she manages an ECLAC project for measuring the digital economy using Big Data in Latin America. Her main fields of interest are ICT infrastructure, policies to foster digitalization and IoT connectivity, and the development of digital economy. She provides inputs for the design and implementation of the Latin America digital agendas (eLAC) and the development of a regional digital market. She has contributed to the following ECLAC publications Data, Algorithms and Policies. Redefining the Digital World (2018), From the Consumer Internet to the Industrial Internet. The New Digital Revolution (2016), Broadband in Latin America. Beyond Connectivity (2013), Fast-Tracking the Digital Revolution Broadband for Latin America and the Caribbean (2010).



Valeria Milanes

Valeria Milanes is an IT Law specialist graduated from the University of Buenos Aires (UBA) and obtained a certificate on Privacy Law and Policy from the Institute for Information Law of the University of Amsterdam. She is an experienced litigation lawyer, as well as an IT Law researcher and lecturer in domestic and international events. She teaches graduate courses at the University of Buenos Aires and Torcuato Di Tella University.



Valtencir Mendes

Valtencir M. Mendes is a UNESCO Education Programme Specialist, based at UNESCO's Unit for ICT in Education. He designs, coordinates and monitors the implementation of activities under the framework of ICT/AI in education and UNESCO Mobile Learning Week, the UN's flagship conference in ICT in Education; assisting the Director of the Division on Policies and Lifelong Learning System in providing consultative support and strategic advice on UNESCO's engagement with different programmes in ICT/AI in education policy; and contributing to other cross-cutting multi stakeholders projects, research and emerging technologies such as Artificial intelligence in education. He holds a European PhD in Project and Systems Engineering from Universitat Politècnica de Catalunya (UPC), Barcelona, in collaboration with the University of Glasgow, UK. His research focused on the multi-stakeholder partnerships working towards the achievement of the UNESCO Education for All, and the contribution of emerging innovative technologies. His most recent master's degree is in Leadership and Social Innovation in Non-Governmental Organizations from ESADE. Previously, he was the Head of International Projects at the Jaume Bofill Foundation in Barcelona, Spain, where he designed and managed many educational research projects in partnership with organizations such as the OECD, UNESCO, and IAU among others. Formerly Observatory Co-ordinator at the Global University Network for Innovation (GUNI), a joint initiative created by UNESCO, United Nations University and UPC. He is a member of the International Association of Universities' expert group on ICTs and Higher Education.



Vanina Martinez

Maria Vanina Martinez received her PhD at University of Maryland College Park in 2011 and carried out her postdoc at Oxford University in the Information Systems Group, working on several problems related to uncertain ontological query answering on the Web and preference-based reasoning. In 2014, she returned to Argentina where she is Adjunct Researcher at CONICET as a member of the Institute for Research in Computer Science (ICC, UBA - CONICET) and assistant professor at the Department of Computer Science at University of Buenos Aires. In 2017 was selected as a speaker in the Early Career Spotlight Track at IJCAI, where young researchers expose their perspectives for the future of Artificial Intelligence. In 2018 was selected by IEEE Intelligent Systems as one of the ten prominent researchers in AI to watch. Recently, she participated in several event related to ethics in AI, including the panel "Artificial Intelligence: Ethical, Social and Human Rights Challenges" at T20 Argentina summit organized by UNESCO, and several seminars and events related to AI and Ethics (the challenge of autonomous lethal weapons) funded by Campaign to stop Killing Robots and the Human Security Network in Latin America and the Caribbean (SEHLAC).



Vitor Menezes

Secretary of Telecommunications of the Ministry of Science, Technology, Innovations and Communications. Specialist in Regulation from the National Agency of Telecommunications - ANATEL (approved in public exam in 2007), in which he held the positions of Advisor to the Presidency and Superintendent. Lawyer and Postgraduate in Advanced Regulation of Public Telecommunications Services (INATEL / ITU) and in Administrative Law and Public Management (UNIEURO).



Wesley Vaz

Certified professional in strategy and innovation by MIT, holds a master's degree in Computer Science from Unicamp and an MBA in business management from PUC-GO. He is currently Secretary of Information Management for TCU's External Control, having held the position of TCU IT Governance Supervisory Director and Coordinator of the Ministry of Justice's Anti-Money Laundering Technology Laboratory. He is co-author of the book "A descomplicada contratação de TI na Administração Pública", professor in postgraduate courses and lecturer in events on strategy, leadership, external control, innovation and digital transformation.