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## **WIPO CONVERSATION ON INTELLECTUAL PROPERTY (IP) AND FRONTIER TECHNOLOGIES**

**Sixth Session**  
**Geneva, September 21 to 22, 2022**

**SPEAKER PROFILES**

*prepared by the International Bureau of WIPO*

## PANEL 1: AI PRIMER – AI TECHNOLOGY, MARKET AND PATENT TRENDS

### MODERATOR



Mr. Jibu Elias

Jibu Elias is a renowned AI Ethicist and the leading expert on India's AI ecosystem. Jibu is currently the Research & Content Head of INDIAai -The National AI Portal of the Government of India. He also serves as a Senior AI Researcher with NASSCOM.

He is a member of the Working Party on AI Governance (AIGO) and Member of the Expert Group on AI Classification and Risk and the Working Party on Artificial Intelligence Policies. And one of the Founding Editors of Springer's AI and Ethics Journal- the first multidisciplinary academic journal on AI ethics.

Jibu is a faculty in Globe Perspectives on AI Ethics - A course offered by The GovLab at NYU, the Institute for Ethics in Artificial Intelligence - TUM and the Center for Responsible AI at NYU, where he teaches the role of culture and eastern perspective in AI Ethics. He is an alumnus of The London School of Economics, where he studied International Relations with a specialisation in Sino-India relations.

### PANELISTS



Mr. Li Fengxin

Mr. Li Fengxin has been responsible for intellectual property statistical work of the China National Intellectual Property Administration Since 2011. He has hosted the construction of the concordance table between IPC and China Industrial Classification for National Economic Activities, and the national statistical standard of patent-intensive industries, as well as the formulating of patent classification system regarding key digital technology and green low-carbon technology. Mr. Li Fengxin began his career as a patent examiner, and also has varied work experiences in the National Bureau of Statistics of China (NBS), Administrative Commission of Zhongguancun Science Park, and China Trademark Association (CTA).



Kate Kallot

Kathleen “Kate” Kallot is a world-class technologist who has received sustained global acclaim in tech for social impact, most notably for her work advancing technology access across Africa.

She is Co-Founder, Chief Impact and Ecosystem Development Officer at Mara where she oversees token, community, developer relations alongside presiding the Mara Foundation, dedicated to accelerating blockchain education and sustainable development in Africa. Over the past 10 years, she has occupied various leading positions in AI and IoT at Intel, Arm and NVIDIA with a goal to build a truly global and inclusive tech community and make AI accessible to everyone. She spearheaded their AI4Good initiatives which resulted in many collaborations with the UN to advance data science and AI capacity building in Africa and other emerging markets.

She also created OrphanDAO, an initiative which aims to build community-funded, community-led, sustainable technology-driven orphanages across Africa. Kate has won multiple accolades throughout her career, including Business Insider Top 100 Business Transformers 2020 and VentureBeat Women in AI Rising Star 2020. She regularly advises international organizations on the power of tech to drive social impact, speaking at conferences for Gates Foundation WEF, UNECA, UNICEF and GPSDD.

She was also the Chair of tinyML for Good Committee which aims to improve the way billions of people live and interact with each other and contribute to achieving the SDGs.



Mr. Julio Raffo

Julio Raffo is Head of the Innovation Economy Section at the Department of Economics and Data Analytics of the World Intellectual Property Organization (WIPO).

Before joining WIPO, he had research experience in the École Polytechnique Fédérale de Lausanne (EPFL, Switzerland); the Institut Français des Relations Internationales (IFRI, France); the Pan-American Health Organization (PAHO, USA); the Red Iberoamericana/Interamericana de Indicadores de Ciencia y Tecnología (RICYT); the Centro de Estudios en Ciencia, Desarrollo y Educación Superior (REDES/CONICET, Argentina); EUROSTAT’s Science, Technology and Innovation Statistics unit (STI, Luxembourg); and, the Instituto de Estudios Sociales de la Ciencia (IEC-UNQ, Argentina).

He holds an Economics degree from the Universidad de Buenos Aires, a Master degree in Industrial Organization, Innovations and International Strategy and a PhD in Economics from the Université de Paris Nord.

His main research interests are the economics and metrics of innovation and intellectual property, with a particular focus on their intersection with socioeconomic development.



Prof. Rüdiger Urbanke

Rüdiger L. Urbanke obtained his Dipl. Ing. degree from the Vienna University of Technology, Austria in 1990 and the M.Sc. and PhD degrees in Electrical Engineering from Washington University in St. Louis, MO, in 1992 and 1995, respectively.

He held a position at the Mathematics of Communications Department at Bell Labs from 1995 until 1999 before becoming a faculty member at the School of Computer & Communication Sciences (I&C) of EPFL. He is a member of the Information Processing Group and the Dean of I&C.

He is interested in the analysis and design of iterative coding schemes, the application of statistical physics methods to problems in communications, the foundations of machine learning, as well as the implications quantum

laws on information processing.

He is the recipient of the 2023 Claude E. Shannon Award, the 2023 IEEE Leon K. Kirchmayer Graduate Teaching Award, the 2021, 2013, and 2002 IEEE Information Theory Society Paper Award, the 2016 STOC Best Paper Award, the 2014 IEEE Hamming Medal and the 2011 IEEE Koji Kobayashi Award.

## **PANEL 2: STORIES FROM INNOVATORS – A REAL LIFE BUSINESS VIEW ON AI INNOVATION**

MODERATOR

Mr. Yann Dietrich



Yann is the Group head of IP for Atos. He previously worked for several international companies such as Orange, Intel, Schneider Electric and for a short period of time for Apple, and more recently, he contributed to the set-up and the development of France brevets, the French sovereign patent fund, just before joining Atos. he also contributed to several initiatives around IP lobbying (Chair of the IP group/ Digital Europe), Standards (participation to several IP groups such as ETSI, ITU-T and more recently GAIA-X) and also open source (General Counsel of LiMo Foundation, now Tizen Foundation).

## PANELISTS



Dr. Afef Bohli

Afef Bohli is an assistant professor at the Higher Institute of Computer Science in Tunisia and the cofounder of Digi smart solutions. She obtained her engineering degree and her doctorate in communication systems from Tunisia's Higher School of Communication (Sup'COM), in 2005 and 2017 respectively. Her research focuses on the green environment for the next mobile generations, spectrum, energy efficiency, and IoT and AI tools for Smart Cities. She has published more than ten papers and patents, and participates as a speaker and expert in many conferences and events.



Ms. Caroline Jacobson

Caroline Jacobson is Head of System Management at Ericsson's Global AI Accelerator (GAIA), Ericsson. GAIA is a high-end competence hub, with the aim to accelerate AI and Machine Learning offerings by boosting Ericsson's products and services with AI capabilities.

Caroline has a long experience from working in the intersection between business and technology in various system management organizations and roles in Ericsson.

Her focus has been Radio Network Development and she has been involved in creation of 3G, 4G and 5G networks and has held a variety of management positions in the areas of Architecture, Radio Resource Management, Active Antenna Systems and End-to-end Services. Caroline has experience from early concept development, design and verification and has been part of Agile transformation.

She started her career with a PhD in Computed Tomography and created fast re-construction algorithms based on Digital Signal Processing.



Mr. Keerthi Kodithuwakku

Keerthi Kodithuwakku is a visionary who dedicated his career to innovating new technology solutions to uplift the quality of life. His key areas of interest in biomedical engineering, artificial intelligence, and the internet of things made the foundation to innovate many innovations such as vascular health monitoring, brain-computer interface, retinal health monitoring, smart transport systems, and IoT platforms, etc. Among them, a system and method to monitor vascular system health has secured a US patent and made a breakthrough in the field of medicine to early detect cardiovascular diseases. Most importantly, it was an icebreaker to the Sri Lankan biomedical engineering industry.

As an engineer, Keerthi is a believer in his passion. He co-founded Effective Solutions (Pvt) Ltd and Jendo Innovations (Pvt) Ltd with the motto of "Let the passion be your profession" with his

batchmates who are prodigies in the engineering faculty who believe in their passion and want to make the world a better place. From the beginning, the team was able to make a difference in the industry and build a good reputation to solve the unsolved problems in the most effective manner. Eventually, the company was recognized as one of the fast-growing startup companies in Sri Lanka.



Ms. Susan Ndung'u

Susan Njeri N. is the Innovation Lead at Hello Tractor, an agricultural technology company using IOT technology to connect small holder farmers with farm equipment owners. She is developing the organization's innovation pipeline with a keen interest in product design and customer experience.

Susan has more than 7 years of experience driving and supporting startup growth through innovation and has gained practical and conceptual business knowledge with a strong understanding of the innovation ecosystem, especially in Eastern Africa. She also sits at the Digital

Agricultural Association board where she is extensively exploring the market system in agriculture and the role of system players in economic growth and livelihood of key stakeholders.

In essence, Susan is passionate about driving agricultural innovation momentum and leveraging frontier innovation such as AI to drive customer-centric solutions to achieve substantial impact in food security.



Mr. Chedtha Puncreobutr

Dr. Chedtha is the co-founder of Meticuly, a university spin-off company in medical device that focuses on the platform to design and manufacture on-demand titanium implants using 3D printing technology. The technology allows each bone-replacement implant to be tailored made to fit each individual and facilitates the surgeons for minimally-invasive incision and short surgical time. Meticuly recently received the First Place and Popular Vote awards of the Digital Venture Accelerator batch 1.

Dr. Chedtha also serves a professor of metallurgical engineering at Chulalongkorn University. He has pioneered the metal additive manufacturing for orthopaedics and biomedical applications and has received numerous awards including Thailand Young Outstanding Metallurgist Award and excellence research awards. He earned his doctoral degree in Materials Engineering from Imperial College London.



Mr. Corey Salsberg

Corey Salsberg is Vice President and Global Head of IP Affairs for Novartis, a global healthcare company with a presence in over 140 countries that is one of the world's leading biopharmaceutical innovators. He also serves as Secretary of the Board of Directors of the *Federal Circuit Bar Association*, and as a Board Member of *California Lawyers for the Arts*, a not-for-profit legal aid society that serves the creative arts and inventor communities.

A graduate of Stanford Law School and Yale University, Corey is a seasoned attorney with over two decades of legal, policy and advocacy experience. He is one of the founders and developers of the *Inventors Assistance Program*, a WIPO-World Economic Forum initiative that provides pro bono legal services to under-resourced inventors in developing countries; *Pat-INFORMED*, a global online

database of medicine-related patent information co-sponsored and hosted by WIPO and the International Federation of Pharmaceutical Manufacturers (IFPMA); and most recently, the IP PACT, a groundbreaking set of principles and commitments that publicly sets forth the patient-centric approach to IP shared by its company signatories.

A recognized thought leader and frequent contributor around the world, Corey enjoys being at the leading edge of the global conversation around IP, innovation, access and trade. He has testified as an expert before the United States Senate, speaks regularly to government, academic and public audiences, and frequently appears in media.

### **PANEL 3: AI – GYRO GEARLOOSE OR LITTLE HELPER? WHAT'S AN AI INVENTION?**

#### **MODERATOR**



Prof. Shlomit Yanisky-Ravid

Professor Shlomit , PhD, is a Visiting Professor at Fordham University School of Law (since 2012), where she heads the “IP - AI & Blockchain Research Project” that researches the challenges of advanced technology, mainly artificial intelligence and blockchain, on the intellectual property regime. She also has research affiliations at Yale Law School and she is a faculty member (the first woman professor in her school) at the Ono law school in Israel, and the founder and academic director of the Shalom Research Institute, Eliyahu Law & Tech Center. Prof. Yanisky-Ravid has published numerous articles about Artificial Intelligence (AI), Patents and Copyright, including

when AI Systems Produce Patents (Cardozo Law Rev.), Summoning a New AI Patent Model (Michigan S. Law Rev.), and many others. Her article “Generating Rembrandt: Artificial Intelligence, Copyright, and Accountability in the 3A Era—the Human-Like Workers are Already Here—A New Model” was chosen as the 2017 Visionary Article in Intellectual Property Law by Michigan State University. She has lectured around the world, among other Universities, at Harvard, Berkman Center, Yale Law School, and NYU Law School. She has been collaborating with WIPO for more than ten years.

Professor Yanisky Ravid was recently identified as “the foremost thinker on AI and copyright” in the American Copyright Society Annual Event by Judge Katherine Forrest. Currently, she is

writing two books, one of them discussing the interconnections between IP and AI. She has recently joined as a co-founder of a new startup "Alice" developing AI solutions for lawyers in the IP regime.

## PANELISTS



Prof. Michelle Azuaje Pirela

Professor Azuaje Pirela has several courses and diplomas of specialization and postdoctoral stays in the area intellectual property law. Her research agenda in the last four years has been dedicated to analyzing the impact of Artificial Intelligence and other emerging technologies in Law and especially in Intellectual Property Law. She is currently executing the Postdoctoral project entitled: "Algorithmic Transparency and Intellectual Property proposals for Chile", financed by the Chilean National Agency for Research and Development.

Among her main publications are the book "Artificial intelligence and Law: challenges and perspectives" of which she is co-author and editor and the article entitled

"Algorithmic Transparency and Intellectual Property: Tensions and Solutions".

- Specialized consultant of the Academy of the World Intellectual Property Organization.
- Member of the team of experts of the Chair of Digital Culture and Intellectual Property of the Organization of Ibero-American States and the University of Alicante.
- Member of the Latin American School of Intellectual Property, ELAPI Chile.
- Member of the Public Observatory for Transparency and Algorithmic Inclusion.



Dr. Phoebe Li

Dr Phoebe Li is the Co-Director for the Sussex Centre for Information Governance Research (CIGR) and a Reader in Law and Technology at the University of Sussex, where she teaches intellectual property and technology regulation modules. Her work has been focussing on regulating emerging digital and health technologies via the lens of intellectual property, funded by leading research councils in the UK. She is currently a Co-Investigator on a UK Research & Innovation project: 'Trustworthy Autonomous System: Governance and regulation (TAS)' as well as the ESRC Centre for Inclusive Trade Policy (CITP), examining digital services trade in post-Brexit UK free trade agreements. She has published widely in the topic of patents and digital innovation. One of her recent papers examined the issues around AI inventorship: 'Artificial

intelligence and inventorship: patently much ado in the computer program' (2022) 17(4) Journal of Intellectual Property Law & Practice 376-386 (with Pheh Hoon Lim). With interdisciplinary research groups at Oxford and York Universities, she recently concluded research projects developing the regulatory approaches for digital biofabrication (BioModifying Technologies and BioGov projects). Dr Li received a Bachelor of Law degree from National Taiwan University and a PhD from Edinburgh University. She is bilingual in Mandarin and English.



Prof. Ichiro Nakayama

Professor Ichiro Nakayama is a Professor, Graduate School of Law, Hokkaido University where he has been teaching intellectual property law courses. He joined Hokkaido University in 2019 after he served as an Associate Professor of School of Law at Shinshu University from 2005-2009 and a Professor of School of Law at Kokugakuin University from 2009-2019. Prior to joining academia, Prof. Nakayama spent many years in Government of Japan, where his last position was a Deputy Councilor, Secretariat of Intellectual Property Strategy Headquarters, Cabinet Secretariat from 2003-

2005. Prof. Nakayama originally joined the Ministry of International Trade and Industry (MITI) in 1989. Then, he worked in various fields including patent law reform and regulatory reform in energy industries. After changing his career to academia, Prof. Nakayama has published a number of articles in the field of intellectual property law, especially patent law. One of his recent papers focusing AI is Ichiro Nakayama, Patentability and PHOSITA in the AI Era - A Japanese Perspective in, *Artificial Intelligence and Intellectual Property* 99-119 (Jyh-An Lee, Reto Hilty & Kung-Chung Liu eds., 2021). Prof. Nakayama received a Bachelor of Law degree in 1989 from the University of Tokyo, LL.M. in 1995 from the University of Washington, and M.I.A. in 1997 from Columbia University.

#### **PANEL 4: AI INVENTORSHIP – PANDORA’S BOX?**

##### **MODERATOR**



Ms. Ngozi Aderibigbe

Ngozi is a Partner at the Law Firm of Jackson, Etti & Edu, a leading full-service law firm in Nigeria, where she doubles as the Head of the firm’s Intellectual property Department and the Co-Sector Head of the Technology, Media & Entertainment Sector. She is a seasoned legal practitioner, with many years of experience in niche areas of law spanning intellectual property law, privacy and data protection, patent protection, technology licensing, brand protection, intellectual property litigation, and media and entertainment. Her experience includes a stint at the UK law firm of Lewis Silkin LLP in 2018.

Ngozi advises technology companies, from global technology companies to ideating tech start-ups, on legal issues impacting their business. She is particularly drawn to issues around emerging technologies and often advises technology companies on how the application of emerging technologies functions within extant legal frameworks.

Ngozi is a thought leader and has contributed commentaries and articles for publication on dicey topics around intellectual property and technology on reputable platforms such as Thomas Reuters, Law Business Research UK, and the International Comparative Legal Guides UK. Ngozi’s work as an intellectual property expert has earned her recognition by Managing Intellectual Property, a global ranking body for intellectual property lawyers. She was a keynote speaker at Techpoint Africa, one of the largest technology events in Africa where she spoke on the Future of Artificial Intelligence and Intellectual Property rights.

Ngozi is the Chairperson of the Intellectual Property Committee of the NBA-Section on Business Law.

## PANELISTS



Prof. Ryan Abbott

Ryan Abbott, MD, JD, MTOM, PhD, is Professor of Law and Health Sciences at the University of Surrey School of Law, Adjunct Assistant Professor of Medicine at the David Geffen School of Medicine at UCLA, partner at Brown, Neri, Smith & Khan, LLP, and a mediator and arbitrator with JAMS, Inc. He is the author of “The Reasonable Robot: Artificial Intelligence and the Law” published in 2020 by Cambridge University Press. He has published widely on issues associated with life sciences and intellectual property in leading legal, medical, and scientific books and journals, and his research has been featured prominently in the popular press including in The Times of London, the New York Times, the Financial Times, and other media

outlets involving time. Professor Abbott has worked as an expert for, among others, the United Kingdom Parliament, the European Commission, the World Health Organization, and the World Intellectual Property Organization. He is a licensed physician and patent attorney in the United States, and a solicitor advocate in England and Wales. Managing Intellectual Property magazine named him as one of the fifty most influential people in intellectual property in 2019 and again in 2021.



Ms. Reem Almarzoqi

Reem Almarzoqi graduated from Prince Sultan University with a Master of Laws in Commercial Law and a Bachelor of Laws in International Law and Legal Studies in Riyadh, Saudi Arabia.

She is highly skilled in conducting legal studies and analytical analysis, research and writing skills. She specializes in AI with the aim of improving the legal frameworks that govern and regulate the AI, particularly in the area of IP.



Prof. Dan L. Burk

Dan L. Burk is Chancellor's Professor of Law at the University of California, Irvine, where he is a founding member of the law faculty. An internationally prominent authority on issues related to high technology, he lectures, teaches, and writes in the areas of patent, copyright, electronic commerce, and biotechnology law. He is the author of numerous papers on the legal and societal impact of new technologies, including articles on Internet regulation, on the structure of the patent system, and on the economic analysis of intellectual property law. He is consistently ranked among the most highly cited

intellectual property scholars in the American legal academy.

Professor Burk holds a B.S. in Microbiology (1985) from Brigham Young University, an M.S. in Molecular Biology and Biochemistry (1987) from Northwestern University, a J.D. (1990) from Arizona State University, and a J.S.M. (1994) from Stanford University.

He has taught at leading institutions around the world, including Humboldt University (Berlin), Sciences Po (Paris), and Bocconi University (Milan). He is the recipient of numerous awards and fellowships, including two Fulbright Fellowships: in 2011 to the Max Planck Institute for Innovation and Competition in Munich, Germany, and in 2017 to the Oxford Internet Institute in the United Kingdom.

Dr. Giuseppina (Pina) D'Agostino



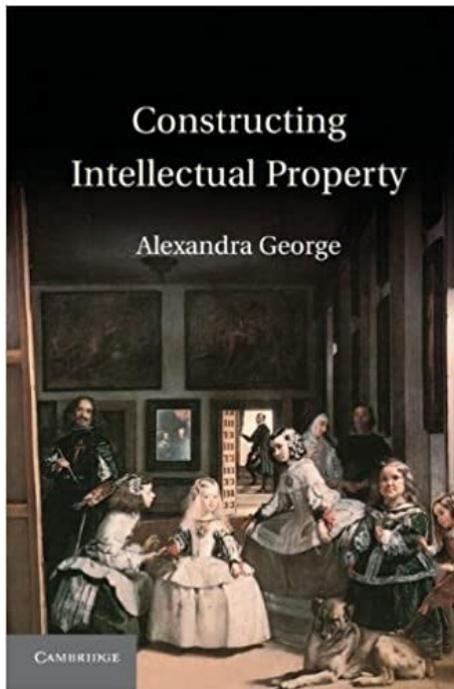
Professor Giuseppina (Pina) D'Agostino is a law professor, lawyer, public speaker, board director and recognized international scholar at Osgoode Hall Law School, York University specializing in intellectual property (IP), disruptive technologies and innovation law and policy. She joined Osgoode Hall in 2006 and is regularly called by Canadian and international governments for advice, has testified before the Canadian Parliament, is a widely published author, regularly serves as a consultant and is a cited authority at the Supreme Court of Canada and in various media. She serves as the Editor-in-Chief for the Intellectual Property Journal and in 2022 has been recognized as the Top 25 Most Influential Lawyers in Canada by Canadian Lawyer Magazine.

Professor D'Agostino brings her creativity and passion to trailblaze new initiatives and to serve in new roles as co-Founder and co-Director of the new Centre for Artificial Intelligence & Society (CAIS) for York University; Founder and Director of the globally-recognized IP Osgoode, the award-winning, IPilogue, the IP Intensive, the IP Innovation Clinic, the first legal clinic of its kind helping inventors and start-ups across Canada and, more recently, founded the AI-powered IP Innovation ChatBot allowing underrepresented groups and the general public greater access to IP information.

Professor D'Agostino served as the co-chair of the York University AI & Society Task Force culminating in the Fostering the Future of Artificial Intelligence report, is appointed to the City of Vaughan Smart City Task Force and is a Senior Fellow at the Centre for International Governance Innovation (CIGI). She spent her last sabbatical as a Visiting Scholar at Stanford University. Prof D'Agostino is the recipient of various tri-council grants, honours and awards and

is currently working on the second edition of Copyright Law (with Prof David Vaver, Irwin Law). Her peer-reviewed articles and her three books Copyright, Contract, Creators: New Media, New Rules, The Common Law of Intellectual Property: Essays in Honour of Professor David Vaver and Leading Legal Disruption: Artificial Intelligence and a Toolkit for Lawyers and the Law are widely available.

She holds a MSt and DPhil (University of Oxford) with distinction, an LLB (Osgoode Hall Law School), an HonBA, summa cum laude, in English and Political Science and a specialization in French (York University), holds an ICD.D from the Rotman School of Management (University of Toronto) and is a member of the Law Society of Ontario (2001 call).



#### Dr. Alexandra George

Dr. Alexandra George teaches and researches in intellectual property law at the UNSW Faculty of Law & Justice. She held previous academic appointments in the UK, and has also worked at the European University Institute, Florence, Italy and taught courses at the University of Sydney, the National University of Singapore, and Tsinghua University in Beijing, China. She has practiced as an intellectual property and media lawyer, and continues to give legal advice on a pro bono basis through the Arts Law Centre of Australia. She was Associate to Justice MF Moore in the Federal Court of Australia and, while studying, worked for the international news organization Reuters.

Alexandra's research focuses on international intellectual property and the philosophy of intellectual property law. Recent publications examine issues of jurisdiction and enforcement in international intellectual property law, and the intersection of Artificial Intelligence and intellectual property. Her book *Constructing Intellectual Property* examines the ways in which the legal system defines into existence and regulates intellectual property. She is currently working on a volume titled *Constructing AI-IP*, which examines possibilities for the regulation of AI-generated creations.

Alexandra has been named 'Academic of the Year' at the Australian Lawyers Weekly Women in Law Awards, has received a Vice-Chancellor's Award for Teaching Excellence at UNSW, and also a Pro Bono Award for her work for The Arts Law Centre of Australia.



Prof. Gaétan de Rassenfosse

Gaétan de Rassenfosse is Associate Professor in Science & Technology Policy at the École Polytechnique Fédérale de Lausanne (EPFL). Before joining EPFL, he was a senior research fellow at the University of Melbourne, Australia. He obtained a Ph.D. in Economics from the Solvay Business School at the Université libre de Bruxelles, Belgium, in 2010. He was a visiting scholar at UC Berkeley (California, USA) in 2018 and MIT (Massachusetts, USA) in summer of 2019.

The overarching objective of Gaétan's research is to provide the policy environment that best addresses the needs of the knowledge economy. This objective is met by producing sound empirical evidence on research questions related to science, technology and innovation policy, with special interest in intellectual property issues. His work appeared in international peer-reviewed scientific journals such as Journal of Industrial Economics, Journal of Law & Economics, Strategic Entrepreneurship Journal, Journal of

Economics & Management Strategy, Research Policy and European Economic Review. He received more than \$2.5 million in research funding from institutions including the U.S. NSF, the Alfred P. Sloan Foundation, the Swiss Network for International Studies, the Swiss National Science Foundation, and the European Patent Office.

## **PANEL 5: THROUGH THE LOOKING GLASS – IP PROFESSIONALS AND ATTORNEYS' VIEWS**

### **MODERATOR**



Dr. Rachel Free

Dr. Rachel Free is a partner in the patent team at International Law Firm CMS where she helps clients to protect their technology through patents. The patent filing and prosecution team at CMS Cameron McKenna Nabarro Olswang, LLP is band 1 ranked in Legal 500. She has an MSc in Artificial Intelligence and a DPhil in Vision Science.

Rachel is a European and UK patent attorney and has worked on computer related patent drafting and prosecution through her career. Rachel is a member of the All Party Parliamentary Group on AI (APPG AI) in the UK. She is also an advisory board member of the University of Bath centre for doctoral training on AI. She is vice Chair of the Chartered Institute of Patent Attorneys (CIPA) computer technology committee and is mentioned in the

2019 legal 500 CMS entry for law firms with patent attorneys as having 'deep technical knowledge'.

## PANELISTS



### Mr. Nathan-Ross Adams

Nathan-Ross Adams helps African businesses and governments design, develop and deploy trustworthy AI. He combines legal, commercial, and technical insights to partner with his clients to move toward holistic solutions. He believes the best way to formulate these solutions is through clear communication and simple legal documents in immersive legal design.

Nathan-Ross is part of a dynamic team of 4IR lawyers at the global law firm, Michalsons. His clients represent a range of data, technology, and advertising companies as well as governments, software, hardware, robotics, biotech, pharmaceuticals, telecoms, and energy clients.

Nathan-Ross's writing features prominently in the African emerging technologies law scene.

- Currently, he is reading for a Doctor of Laws degree at the University of Johannesburg. His thesis topic is "A contextualized theory and methodology for regulating artificial intelligence in South Africa". For his LLM, the dissertation topic was "South African company law in the fourth industrial revolution: Is there a need for the regulation of artificial intelligence?"
- His articles have been posted and referenced by major African news publications, where authors have described his writing and research skills as "clear, accessible, excellent, and relevant".
- He has also written on data law for international books, like "90 Legal Responses to COVID-19 Around the World".

Beyond his writing, he has also been a panelist with South Africa's Information Regulator and has spoken at multiple African and Global conferences on AI and the law.



Mr. Hector Chagoya

With IP experience since 1997 and having led a patents team that filed more than 10,000 patents for companies in all fields of technology, ranging from Mexican inventors to multinational companies, he decided in 2021 to start Mexstrategy® to focus on the strategic and management side of IP rights. Within a year with Mexstrategy® he has been involved in COVID-19 related technology transfer and innovation projects, start-ups consultancy, medical devices and IoT/Blockchain/Big Data projects where he deploys his expertise focusing heavily in portfolio management strategies, trade secrets appropriation, innovation strategies, freedom-to-operate opinions, technology intelligence studies, IP-assets valuation, IP negotiations, technology evaluation and substantive issues of patent litigation.

Hector was the first in Mexico to obtain the CLP credential in 2010 and has been recognized consistently as a leading patent practitioner in several international surveys. He is also recognized as expert in Engineering Economy (CONIQQ, Mexico) and has published a variety of articles

in specialized international magazines and chapters in various books related to licensing, trade secrets and pharmaceutical law and practice. Hector has taught and spoken in many events, courses, seminars and congresses at universities, professional societies and organizations such as WIPO on topics of his area of expertise, and he taught for 15 years as part of the Chemical Engineering faculty at La Salle University in Mexico City, where he was also part of the Academic Council for 3 years.

He was International Vicepresident of the Licensing Executives Society (LES) International and is Past-President of LES Mexico and of the Mexican Institute of Chemical Engineers (Mexico City Chapter). Currently he is a Board member of Red OTT (the Mexican TTO network), Co-chair of the Membership Committee at LESI and part of the International Association for the Protection of Intellectual Property (AIPPI) through the Mexican group (AMPPI) where he is part of several committees.



Mr. Lee Daeho

Daeho started his career with the focus on Electrical Engineering and Telecommunication by representing the world's technology pioneers including Korean and global conglomerates, a global No.1 semiconductor manufacturer and many others. He also outstands in IP Analysis and has handled patent analysis projects for Korea's No.1 mobile device manufacturer as the project head.

Since founding PI IP LAW in 2013, Daeho's initiative and drive like none other have led the firm to be the most rapidly growing and renowned IP law firm in Korea. As an innovative leader, Daeho seeks change and growth to be the first and the best.

Under his leadership, PI IP LAW was the first Korean IP law firm to organize an AI team which boasts unrivaled

expertise and competitiveness. Moreover, Daeho has represented a Korean Deep Learning based AI startup and led the due diligence of its IP portfolio when it was acquired by an American manufacturer of machine vision at the highest price in the M&A history of Korean startups. Daeho's clients include industry leaders in Computer Vision, Smart Factory, AI based medical data analysis, AI-driven Drug Design with the most advanced technology. Thanks to Daeho and his team's significant expertise, PI IP LAW achieved exponential growth and established its presence on the Korean IP scene throughout the past 10 years. AI and software cases take up more than 70% of PI IP LAW's patent cases, and the accumulated enterprise value of its clients amounts to USD 5 billion.

Daeho has also led groundbreaking projects in Trademark. In 2017, he proposed registering sound marks for celebrity catchphrases and by leading the project to success, became the first to register a sound mark as a trademark. In 2019, he submitted evidential data processed by AI to register the exterior and interior designs of a building for trademark applications.

Daeho's pioneering enthusiasm to go beyond traditional IP services has led him to be recognized by peers and clients. Starting with WTR 1000 2022 which selected Daeho as a leading trademark individual, he was also awarded by Managing IP's IP Stars 2022 awards as a trade mark star. The IAM Patent 1000 2022 rankings also acknowledged Daeho as a leading individual in patent prosecution, which bears testimony for his and his firm's exponential growth and presence in the region.

Daeho's goal hereupon is to lead PI IP LAW to become an irreplaceable leader and innovator in the global IP law industry. By introducing and applying Data Visualization and Automation to the traditional IP domain, he wishes to provide IP service tailored to the clients' business needs and let the clients experience firsthand the elevation of their value through PI IP LAW's service.



Mr. Ryan Phelan

Ryan N. Phelan is a registered U.S. patent attorney who counsels and works with clients in all areas of intellectual property (IP), with a focus on patents. As a former technology consultant with Accenture and with a background in computer science and engineering, Ryan has extensive experience in computer system, hardware, and software design, engineering, development and related technologies. He represents numerous startup and Fortune 500 clients with patent matters in technical areas and industries including artificial intelligence and machine learning, medical devices, biometrics data and services, virtual reality, imaging, internet and e-commerce, computer

networking, data storage and management, encryption and security, mobile telecommunications, consumer electronics, insurance and finance applications, mechanical devices, among others.

Ryan is also an adjunct professor at the Northwestern Pritzker School of Law teaching course work on patenting software inventions. He is also a frequent author and contributor to IPO white papers and articles, and frequently writes on the subject of AI at his blog PatentNext at [patentnext.com](http://patentnext.com).

## PRESENTATION: FOSTERING AN AI ECOSYSTEM SUPPORTING LOCAL INNOVATION



Mr. Arthur Gwagwa

A member of the UN Global Pulse expert group on AI and big data, Mr. Arthur Gwagwa researches on and teaches the Ethics of Socially Disruptive Technologies at the Utrecht University Ethics Institute, the Netherlands.

## PRESENTATION: FROM DIAGNOSIS TO ACTION



Prof. Dr. Peter Georg Picht

Peter Georg Picht studied law at Munich University and Yale Law School, did his PhD (summa cum laude) at Munich University/the Max Planck Institute for Innovation and Competition, and holds a masters degree from Yale Law School.

He has been working, i.a., with the EU Commission's DG for Competition, with the Max Planck Institute for Innovation and Competition, as well as with two international law firms.

Prof. Picht now holds a chair for Economic Law at the University of Zurich and is head of the University's Center for Intellectual Property and Competition Law (CIPCO). He is an Of Counsel with the law firm Schellenberg Wittmer.

His further affiliations include board memberships in the Academic Society for Competition Law (ASCOLA), the Association Européenne du Droit Économique (AIDE), and the Munich IP Dispute Resolution Forum. He is a regular guest professor at King's College, London, the European University Institute, Florence, and Kyoto University.

Prof. Picht's academic teaching and writing, as well as his counseling activity, focus on

- intellectual property law
- competition law
- international private and procedural law, in particular commercial arbitration (mainly IP and Competition), trusts and estates, corporations.

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