Dr. Ramy AHMED FATHY
U4SSC Vice-Chair

Dr. Ramy Ahmed Fathy is a senior executive, with 20+ years of technology and regulatory experience in ICT, leading large-scale digital initiatives that span digital technology, and public policy spaces. He serves on the board of several government institutions overseeing large-scale projects in the ICT and aerospace sectors, bringing his cross-vertical expertise in the telecom and digital domains. His expertise spans corporate governance, technology and product development, risk and financial oversight, cyber-risk management, talent management, strategic planning, and digital transformation.

At the Egyptian National Telecommunication Regulatory Authority (NTRA), Dr. Fathy has led key regulatory teams in strategy and market development, market and economic analysis, cost-benefit analysis for rulemaking, regulatory impact assessment, standardization, technical aspects, international policies, cooperation, partnerships, research and development, and Industry 4.0 planning. In his current role as Chief Expert of Digital Technologies and Public Policy, he provides oversight and advisory expertise on the strategic development and implementation of secure and trustworthy digital and ICT policies and programs across key verticals. Dr. Fathy's efforts have resulted in the development of secure and trustworthy digital transformation solutions in various domains, including smart cities, smart mobility, smart energy, artificial intelligence, smart water management, and digital agriculture. Furthermore, his efforts contributed to the development of Governance, Risk, and Compliance (GRC) frameworks for several Egyptian critical infrastructure sectorial assets. His endeavours have contributed to Egypt's success in securing a place among the top tier nations in the 5th Edition of the Global Cybersecurity Index (GCI) for 2023-2024, released by the International Telecommunication Union (ITU).

Dr. Fathy addresses techno-policy and standardization issues in international telecommunications through his engagements in mutiple industry and global telecommunications development platforms including the ITU, the IEEE, the World Bank, and OECD, among others, advocating governance, economic sustainability, interoperability, systems resilience and scalability. He has led international telecommunications programs and policy development, advocating for Egyptian interests in global telecommunications and cybersecurity policies. His recent efforts have focused on creating legal and regulatory frameworks to advance the artificial intelligence industry and address its emerging risks.

Dr. Fathy has held numerous key roles in the ITU for over 20 years, including serving on the ITU Council, leading his delegation in Plenipotentiary Conferences, serving in TSAG, and taking various roles in ITU study groups and focus groups. Dr. Fathy is Vice Chair of ITU-T Study Group 20 (SG20), co-Chair ITU/FAO Focus Group on "Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture" (FG-AI4A), and a member of the IEC-ISO-ITU

Joint Smart Cities Task Force (J-SCTF), whereby he is driving international standardization efforts on IoT and its applications in smart cities and communities, including solutions in many specific verticals. Furthermore, he has served as the Chair of Regional Group Africa (SG20RG-AFR), and Vice-Chair of Regional Group Arab of ITU-T Study Group 20 (SG20RG-Arab) leading standardization efforts and smart city ecosystem development at the African and Arab regional fronts, respectively.

Dr. Fathy is the Vice-Chairman of the United for Smart Sustainable Cities (U4SSC) initiative, a global UN effort supported by 16 UN agencies to guide cities in achieving the UN Sustainable Development Goals. The U4SSC is a global initiative that acts an international platform for information exchange, harmonization, and partnership building to guide cities and communities in achieving the UN Sustainable Development Goals.

Dr. Fathy is an adjunct professor and a visiting fellow at several Egyptian and UK academic institutions. He contributes to cutting-edge research in IoT, smart cities, cybersecurity, and AI. He has numerous publications in scholarly journals and conferences and has edited and directed the development of many international standards related to IoT and smart sustainable cities and communities.