TAB HALL OF HONOR RECIPIENT NOMINATION FORM

CANDIDATE NAME: K. J. Ray Liu

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BIOGRAPHY: K.J. Ray Liu is a Distinguished University Professor and Christine Kim Eminent Professor of Information Technology at University of Maryland, College Park. His research work concentrates on broad areas of information and communications technology with a recent focus on wireless AI for indoor tracking and wireless sensing. He is fellow of IEEE, AAAS, and U.S. National Academy of Inventors. He is recipient of two IEEE Technical Field Awards: the 2021 IEEE Fourier Award for Signal Processing and the 2016 IEEE Leon K. Kirchmayer Graduate Teaching Award. He received also the 2014 IEEE Signal Processing Society Award, 2009 IEEE Signal Processing Society Technical Achievement Award, and over a dozen of best paper/invention awards. He is founder of Origin Wireless high-tech start-up. His invention of Wireless AI won the 2017 CEATEC Grand Prix award – a product is available as Linksys Aware, over 150 countries worldwide and won the three CES Innovation Awards.

CITATION: For starting the financial transparency movement, initializing and realizing of IEEE DataPort and IEEE App.

DESCRIPTION OF ACCOMPLISHMENT(S) RELATIVE TO MAJOR CONTRIBUTION(S) TO IEEE TECHNICAL ACTIVITIES.

Among many initiatives and actions proposed by Ray Liu there are three major impacts of his volunteer work **in** IEEE Technical

• Ray Liu started the **financial transparency** movement in 2013 with the support of over 100+ society/council presidents to demand transparency in finance and decision making so that one can understand the real financial impact to make informed decisions. After many years of struggle, it is now fully recognized by most volunteer leaders and IEEE Board of Directors that it is critically important to all to make informed decisions.

•He proposed and created the **IEEE DataPort** to offer data repository services as a new benefit and value proposition for our members. It supports open science and reproducible research by hosting data that are citable and useful for our community. The number of users and data have grown exponentially to over 800,000+ users.

•He proposed and co-led the development of the **IEEE app** as a mobile strategy and infrastructure in an ad hoc committee commissioned by the Board of Directors. The IEEE app is now available at https://app.ieee.org/ as "Your Global Gateway to IEEE". The IEEE App is for the user to discover IEEE and its quality assets. For a leader, volunteer, member, contributor, non-member, student, or someone with a technical interest, the app can be personalized allowing to see, read, and choose how one wants to engage and connect with all things IEEE, as well as network globally.

YEAR(S) OF ACCOMPLISHMENT(S): 2012-2020

RELEVANT IEEE ACTIVITIES:
•IEEE Vice President – Technical Activities, 2019 (Elect 2018; Past 2020)
•Co-Chair, New Engagement Model and Opportunities, (2019)
•Board of Directors as Division IX Director (2016--17 (Elect 15))
•Chair, TAB New Business Models and Services Ad Hoc Committee (2016)
•Founder of FinTrans Group (2013-16)
•Lead, IEEE DataPort (2013-16)
•TAB Finance Committee Member (2014-16)
•IEEE Signal Processing Society President (2012-13)