2017 TAB HALL OF HONOR RECIPIENT NOMINATION FORM

CANDIDATE NAME: William W. Moses

BIOGRAPHY: Bill received his B.A. from Dartmouth College, graduating Magna Cum Laude with Highest Distinction in Physics, and his Ph.D. in Physics from the University of California, Berkeley in 1986. Since then he has worked at Lawrence Berkeley National Laboratory, where he is a Senior Staff Scientist (the equivalent of Full Professor). His career centered on imaging ionizing radiation, including nuclear medical imaging (especially Positron Emission Tomography or PET), homeland security, subatomic particle physics, and environmental remediation. He has led research groups for over 20 years, been principal investigator on 40 competitive research grants, advised 18 graduate students, and headed the Structural Biology and Imaging Department, which has 135 employees, students, and affiliates. He has over 220 peer-reviewed publications, over 110 invited presentations, and has served on advisory boards for the National Institutes of Health, the US Department of Energy, homeland security agencies, and several major universities

CITATION: For championing major improvements in the quality of technically cosponsored conferences, their proceedings, and support to all IEEE conferences.

DESCRIPTION OF ACCOMPLISHMENT(S) RELATIVE TO THE CREATION, DEVELOPMENT, OR ADVANCEMENT OF THE TECHNICAL OBJECTIVES OF THE IEEE:

Bill's chairmanship of IEEE Conferences Committee (ConfCom) marked a new and more proactive approach to dealing with Technically Cosponsored conferences (TCS) and providing new levels of support for conference organizers.

As a result of increasing complaints about TCS proceedings quality, he structured a cross-organizational team to identify and address solutions with new processes, operations, engagement, outreach, education and communications across all of IEEE.

He developed a hierarchical approach to TCS approval that involved many fewer approving OUs, and better ensured conference quality and conference publications quality and scope.

Bill made many trips to work with high level university/government leadership in Asia, the source of many of the problems, about quality requirements of IEEE conferences and publications.

Actions taken as a result of his involvement were : a ban on involvement of particularly « bad actors », 266 conferences that submitted for IEEE publication were rejected, modification of MOU process to reduce OUs approving TCS, followup on every complaint over previous 5 years, removal of hundreds of poor quality and computer-generated papers from Xplore, appropriate governance rule changes, instituted 10% audit of conference quality and scope, conférence education program started for susceptible areas, a monthly conference newsletter, and a remediation program to review previously rejected pubs with an eye toward providing a path to publication, and to begin a historical cleanup of Xplore conference paper quality on 220 conference pubs in Xplore.

Recognizing the negative financial impact of increased quality review, he developed and sold the idea of a TCS and a per paper publication fee to recover these increased expenses.

To improve support to conference organizers, he initiated a series of workshops to look at conference organization and supporting tools. The output was a definition of the tool-set conference organizers need and a structured process for developing these tools.

DATE(S) OF ACCOMPLISHMENT(S):
2011-2014

RELEVANT IEEE ACTIVITIES:
2011–2014 Chairman, IEEE Conference Committee
2011–2014 Member, IEEE Publication Products and Services Board (PSP
2009–2010 Member and Vice-Chair, IEEE Conference Committee
2015 Member, IEEE Committee on the Future of Information & Convening