TAB HALL OF HONOR RECIPIENT NOMINATION FORM

CANDIDATE NAME: FREDERICK C. MINTZER

BIOGRAPHY: Fred Mintzer (S '75, M '78, SM '91, and F '99) received the BSEE degree from Rutgers University and the PhD degree in Electrical Engineering from Princeton University. He joined IBM's Thomas J. Watson Research Center in 1978. Beginning in the early 1980s, he managed a team that developed new technologies for image database applications and validated those technologies in projects with cultural institutions that included the USA National Gallery of Art, the Vatican Library, and Russia's Hermitage Museum; he is professionally best known for that body of work. From 2001 until 2005, he was Senior Manager of the Visual Technologies Department which developed new technologies for digital imaging, computer graphics and data visualization. In 2005, he became the Program Director for IBM's Blue Gene Watson facility, which once included the world's second fastest computer, and the Associate Director of IBM's Deep Computing Institute. He retired in 2014.

CITATION: For leadership in developing TAB Open Access policies and for revising TAB's Mission to focus on Technology-Centric Communities.

DESCRIPTION OF ACCOMPLISHMENT(S) RELATIVE TO THE CREATION, DEVELOPMENT, OR ADVANCEMENT OF THE TECHNICAL OBJECTIVES OF THE IEEE:
One of the most important challenges facing IEEE in 2012 was to develop IEEE Open Access policies. As TAB Societies and Councils publish vast majority of IEEE IP's, TAB leadership in forming this policy was crucial. As 2012 TAB Chair, Fred led a discussion at a TAB SPC meeting in May 2012 on Open Access publishing. Its initial outcome was to adopt a 3-pronged strategy: PSPB would have the broad area Open Access journal, all existing TA publications could become hybrids, thus publishing both Open Access and subscriber-only traditional papers, while new or existing TA publications could choose to be only Open Access or hybrid. Later on, Fred led the resulting debate on the TAB floor in support of this strategy. After initial differences of opinions between PSPB and TAB, the above Open Access strategy was endorsed by TAB in large part thanks to Fred's leadership efforts.

The real impact of Fred's actions was that TAB and IEEE have adopted a policy on Open Access publishing that was the right one at the right time. The publishing trends that followed after 2012 have proven that Fred's judgment and leadership on this was 100% on target. Fred's support for this visionary policy has put IEEE publishing in the best of possible competitive positions.

While his leadership in the Open Access policy area has been central to TAB's publishing, Fred has played another crucial role: it was in re-writing the TAB Mission and to include "Inspire, Foster, and Empower Technology-Centric Worldwide Communities". Thanks to his leadership, TAB's Mission statement was revised to

focus on technology-centric communities worldwide, thus making support of emerging technologies a part of TAB's highest priority. This new mission's front and center was stating plainly that creating and nourishing the communities is TAB's main role. This change has paved the way to extending TAB infrastructure to support both existing and emerging technical communities.

Part of Fred's strategy of community building in TAB was his taking a leading role in defining specs and building Collaboratec as a tool to achieving this goal. Fred's initial 2013 role was figuring out the funding and expenses. Working with Dr. Bob Hebner, 2013 TAB Chair, the 2013 VP – MG, and the 2013 PSPB Chair, he went to the IEEE Board for funding to expedite the tool building process. He took the lead on working through this and making presentations on Collabratec to the Board, TAB, MGA, and PSPB. The main points in Fred's presentations were setting directions and specifications, and getting support of TAB members for the cause of the platform.

Early in 2014 Fred joined the Collabratec Steering Committee for bi-weekly telecons, and has stayed on this key committee for two years. He has offered his expertise in testing and evaluating the early release of tools, asking many pointed questions and making valuable suggestions. He was especially productive for Collabratec during the launch year of 2015. Thanks, in a large extent to his efforts, the platform has positioned itself to become a key tool for TAB's Future Directions work. It is now also becoming useful for building Societies' and Councils' technical committees and partially for conducting business of TAB standing committees.

DATE(S) OF ACCOMPLISHMENT(S):
Fred's activities and accomplishments relative to the citation and the advancement of TAB goals cover the period 2011-2015, and continue in 2016. His elected and appointed TAB positions listed in the following section cover many of his other major TA and IEEE leadership roles.

OTHER IMPORTANT IEEE ACTIVITIES:

Activities - Committees/Boards:
IEEE Board of Directors, Member, 2012, 2008-09, Technical Activities Board, Member, 2011-2013, 2008-09, and 2004-05;
TAB Strategic Planning, Chair, 2013;
VP Technical Activities and Chair, TAB and TAB Management Committee, 2012;
IEEE New Initiatives Committee, Member, 2013;
TAB Ad Hoc on a New Level of TAB recognition, Chair, 2012;
TAB/MGA Ad Hoc on Membership models, Member, 2012;
TAB Nominations and Appointments, Chair 2011;
IEEE Nominations and Appointments, Member, 2011;
IEEE Governance, Member, 2010;
Employee Benefits and Compensation Committee, Chair, 2009;
IEEE Audit Committee, Member, 2008-09;
IEEE Marketing and Sales Committee, Member, 2008-09;
IEEE Investment Committee, Member, 2009-2010;
IEEE Insurance Committee, Member 2009;

Activities - Regions:
Region 1, Liaison to TAB, 2009.

Activities - Societies:
Signal Processing Society (SPS):
Past-President and Chair of Nominations and Appointments Committee, 2006-07;
President, 2004-2005; President-Elect and Chair of SPS Technical Directions
Committee and Long Range Planning Committee, 2002-2003;
Board of Governors, Member at Large, 2000-2001; Vice President-Finance, 1996-
1999;
IEEE Transactions on Image Processing, Associate Editor, 1992-1995

Activities - Conferences:
1995 IEEE International Conference on Image Processing, Finance Chair;
1984 IEEE Digital Signal Processing Workshop, Technical Co-chair.

Activities - Other:
EIC of TA Community Spotlight, 2013-15