

## TAB HALL OF HONOR RECIPIENT NOMINATION FORM-



### **CANDIDATE NAME: BRUCE EISENSTEIN**

**BIOGRAPHY:** Bruce Eisenstein is an engineering educator serving as the Arthur J. Rowland Professor and Vice Dean of Engineering at Drexel University. He also consults on mobile communications and product liability. Eisenstein has published nearly 50 papers in digital signal processing, pattern recognition, deconvolution, and biomedical engineering. He is the co-author (with Maja Bystrom) of the textbook *Practical Engineering Design* (CRC Press, 2005). He served as President of Eta Kappa Nu and President of the national ECE Department Heads' Association (ECEDHA). Eisenstein was the 1976 recipient of the C. Holmes MacDonald Award of Eta Kappa Nu (Outstanding Young Electrical Engineering Educator). He is a

member of Tau Beta Pi, Sigma Xi, and ASEE. He chaired the National Science Foundation Advisory Committee for the Electrical, Communications, & Systems Engineering Directorate, and was a member of the ABET Board of Directors. Eisenstein was elected Delaware Valley Engineer of the Year in 2000.

### **CITATION:**

For initiating the election of the Vice President, Technical Activities by IEEE Society members, improving reserve allocation, and creating the TAB Management Committee.

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

During his years as member of TAB (1993-1998) and as Vice President, Technical Activities (1995-1996), Bruce Eisenstein led three important organizational changes whose impact continues to the present day.

(1) Eisenstein convinced the IEEE Board of Directors to make the Vice President for Technical Activities an elected position (elected by all members of IEEE's societies.) Before this change, the VP-TA was appointed by the IEEE Assembly. The open election process improved member representation in TAB and the Board. It is to be contrasted with the selection of the VP-MGAB – still appointed by the Assembly. The group of VP-TAs is much more diverse and certainly more representative.

(2) Working with the then-treasurer of TAB Lew Terman, Eisenstein instituted a significant change in the way society reserves were handled and reported. Before this change, reserves attributed to society activities were used by IEEE routinely for operations. The societies held IOU notes of dubious value. Through a long and difficult procedure within TAB and the Board of Directors, Eisenstein and Terman managed to open the process and provide accurate and honest financial reporting. This change had far-reaching ramifications on the long-term financial health of IEEE. Once

accurate information became available, it was apparent that the Institute engaged in deficit spending, and reform was inevitable.

(3) During Eisenstein’s tenure as VP-TA, he instituted the TAB Management Council. The Council was charged with addressing matters that require action between meetings of TAB, and in time also became the forum where preparations were made for TAB meetings and important issues analyzed and pre-processed. Due to the large size and complexity of TAB, the establishment of the TAB Management Council provided an opportunity to review significant portions of the TAB agenda thoroughly so that the discussions and decision-making by TAB were focused better and became more informed.

**DATE(S) OF ACCOMPLISHMENT(S):**

The accomplishments described here took place mostly during Bruce Eisenstein’s six-year tenure on the Technical Activities Board (1993-1998) which includes his two years as Vice President, Technical Activities and his two years as Past Vice President, Technical Activities.

**RELEVANT IEEE ACTIVITIES:**

IEEE Body	Role	Years	Comments
IEEE	President-elect	1999	
IEEE	President	2000	
IEEE	Past-President	2001	
Executive Committee	Member	1995-1996	
		1998-2001	
Board of Directors	Member	1993-1995	Division VI Director
	Member	1995-1996	VP, Technical Activities
	Member	1998	Treasurer
	Member	1999-2001	Presidency
Awards Board	Member	2005-2007	
Compensation Committee	Member	1998-2001	
Education Activities Board	Member	1984-1988	
		1993-1994	
		2005-2007	
Employee Benefits Committee	Member	1998	
Facilities Committee	Member	1998	
Finance Committee	Member	1995, 1998-2000	Chair in 1998
Individual Benefits and Services	Member	1998	
Infrastructure Oversight	Chair	2001-2002	
Insurance Committee	Member	1998	
Investment Committee	Member	1998-1999	

Member Development Committee	Member	1994	
Nominations and Appointments Committee	Member	2001-2002	Chair in 2002
Publication Board	Member	1987-1989	
	Member	1993-1994	
Strategic Planning Committee	Member	1999	
	Chair	2002	
Technical Activities Board	Member	1993-1998	Chair in 1995-1996
Society and Council Presidents	Member	1984-1985	