



Friedrich-Alexander-Universität
Department of
Electrical Engineering

EEI-Colloquium

How did we get to where we're going?

Prof. Alan V. Oppenheim

Massachusetts Institute of Technology (MIT)

Chair: Prof. Dr.-Ing. Walter Kellermann

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Live: Hans-Georg-Waeber-Saal (Fraunhofer IISB), Schottkystr. 10, 91058 Erlangen.

The field of Digital Signal Processing had its origins in the early 50's and in 2023 the IEEE Signal Processing Society celebrated its 75th anniversary. I was fortunate to have been part of the evolution of the field. In this talk I'll describe my personal involvement in those early days and some of the pioneers who influenced me and who made it happen. And make some remarks about where I think the field might be heading.

Professor Oppenheim is Ford Professor of Engineering at the Massachusetts Institute of Technology (MIT). He received the Sc.D. degree in 1964 at MIT and is also the recipient of an honorary doctorate from Tel Aviv University. During his career he has been closely affiliated with MIT Lincoln Laboratory and with the Woods Hole Oceanographic Institution. His research interests are in the general area of signal processing algorithms, systems and applications. He is coauthor of the widely used textbooks Digital Signal Processing, Discrete-Time Signal Processing, (currently in its third edition), Signals and Systems, (currently in its second edition), and most recently Signals, Systems & Inference published in 2016. He is also editor of several advanced books on signal processing. Throughout his career he has published extensively in research journals and conference proceedings.