



IBM's Speech Technology Seminar 2003

June 30, 2003

Organized by IBM Haifa Research Labs, Israel

<http://www.haifa.il.ibm.com/Workshops/Speech2003/>

The Telecom and Media Systems Group at the IBM Haifa Research Labs (HRL) cordially invites you to a full-day seminar on speech technology, to be held on Monday, June 30, 2003. The seminar will take place at HRL's new site on the Haifa University campus, in the auditorium (room L100), from 9:30 to 17:15. Lunch and light refreshments will be served. Participation is free. The official language of the workshop is English.

9:30 Arrival

9:45 Welcome

Zohar Sivan, Mgr. Telecom and Media Systems, IBM Haifa Research Lab

Session 1: Speech Recognition and Synthesis

10:00 *Embedded speech recognition for mass-market wireless devices*, Eran Aharonson, CEO, ART Advanced Recognition Technologies Inc.

10:30 *Concatenative text-to-speech for the embedded environment*, Ron Hoory, IBM Haifa Research Lab

10:55 *Distributed speech recognition - standardization activity*, Alex Sorin, IBM Haifa Research Lab

11:20 - 11:35 Break

11:35 *Challenges in speaker-independent name dialing for cellphones*, Adoram Erell, Intel

Session 2: Speaker Recognition

12:00 *Speaker Verification with optimal feature space*, Arnon Cohen, Ben-Gurion University

12:25 *Speaker Verification by Adapted Phoneme Gaussian Mixture Models*, Yuval Bistriz, Tel-Aviv University

12:50 *Speaker detection in multi-speaker sessions*, Ran Gazit, Chief Scientist, Persay Ltd.

13:15 - 14:30 Lunch

14:30 *Concluding Remarks*
Michael Rodeh, Director, IBM Haifa Labs

Keynote

14:45 *State of the Art Large Vocabulary Speech Recognition: The MALACH Project*, Michael Picheny, IBM T.J. Watson Research Center

15:45 - 16:00 Coffee Break

Session 3: Speech Coding and Enhancement

16:00 *Speech coding at very low bit rates*, David Malah, Technion

16:25 *Speech enhancement based on the general transfer function GSC and postfiltering*, Saron Gannot and Israel Cohen, Technion

16:50 *Autodirective Dual Microphone and other Alango DSP technologies*, Alex Goldin, CEO, Alango Ltd.