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**Research Activities of
the Speech Processing Department**

January through March, 1993

ATR Interpreting Telephony Research Laboratories

March, 1993

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Technical Publications from January through March 1993

This volume is the last in a series of the complete collection of technical papers from the Speech Processing Department, ATR Interpreting Telephony Research Laboratories:

volume	period	id	#papers	#pages
I	from April 1986 through December 1988	TR-I-0010	32	181
II	from November 1987 through December 1988	TR-I-0065	88	449
III	from January through October 1989	TR-I-0115	69	282
IV	from November 1989 through December 1990	TR-I-0230	113	574
V	from January through December 1991	TR-I-0261	122	633
VI	from January 1992 through December 1992	TR-I-0313	140	629
VII	from January 1993 through March 1993	TR-I-0372	27	126

ATR Interpreting Telephony Research Laboratories finishes its seven-year research project in interpreting telephony at the end of March 1993. This volume is the last volume of collected papers which have been published from January 1993 through March 1993, or are to appear in the future. For example, papers which are to appear in ICASSP93 (April 1993) are included in this volume without their page numbers. This volume does not include papers that are in the reviewing process even if already submitted.

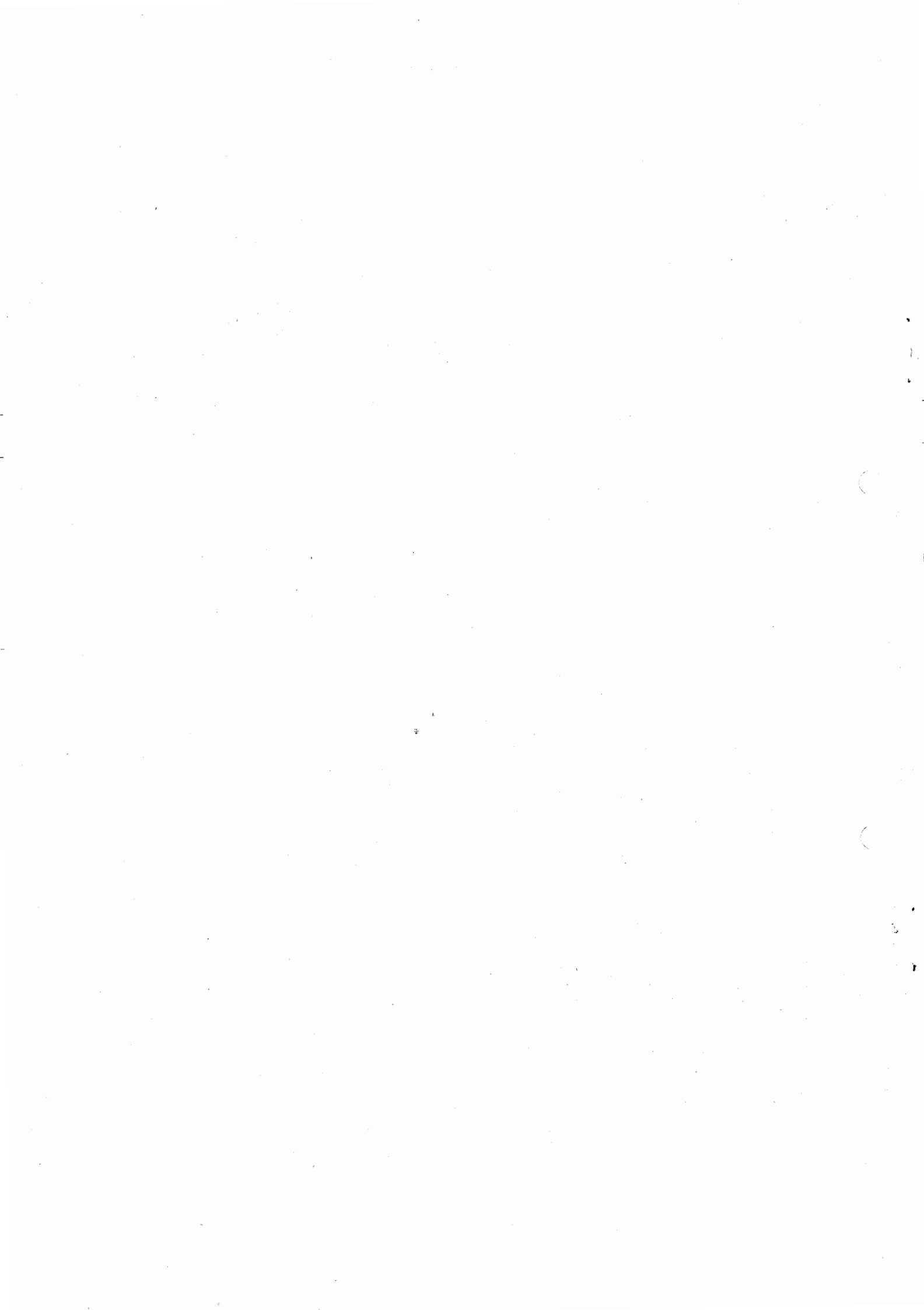
The research areas of the Speech Processing Department include:

1. Large Vocabulary Continuous Speech Recognition
 - (a) Hidden Markov Models
 - (b) Neural Network Approaches
 - (c) Feature-Based Approaches
2. Speaker Adaptation and Noise-Robust Speech Recognition
3. Language Source Modeling
4. Speech Synthesis by Rule
5. Voice Conversion
6. Speech Database Construction

The following pages are copies of technical publications, published or coauthored by the researchers of the Speech Processing Department, ATR Interpreting Telephony Research Laboratories, from January through March 1993. This collection also includes papers already accepted and to appear in the future.

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