



International Institute for Advanced Scientific Studies
"Eduardo R. Caianiello"

INTERNATIONAL SCHOOL "NEURAL NETS E.R. CAIANIELLO"

3rd Course: Speech Processing, Recognition, and Artificial Neural Networks
Vietri sul Mare, Salerno - Italy - October 5-14, 1998

Jointly organized by:

International Institute for Advanced Scientific Studies (IIASS), Vietri sul Mare (SA), Italy
Ettore Majorana Foundation and Center for Scientific Culture (EMFCSC), Erice (TR), Italy

Supported by:

European Speech Communication Association (ESCA)
Salerno University, Dipartimento di Scienze Fisiche E.R. Caianiello, (Italy)

Sponsored by:

IEEE Neural Network Council (Italian RIG), INNS (Italian SIG), Provincia di Salerno, SIREN

PROGRAMME AND LECTURES

A. ALWAN, UCLA, University (CA), USA: "Models of Speech Production and Their Application in Coding and Recognition"
A. CALABRESE, University of Connecticut, (USA): "Prosodic and Phonological Aspects of Language"
G. CHOLLET, CNRS - ENST, France: "ALISP, Speaker Verification, Interactive Voice Servers"
P. COSI, CNR - Padova, Italy: "Auditory modeling and Neural Networks"
R. DE MORI, Université d'Avignon, France: "Statistical Methods for Automatic Speech Recognition"
M. G. DI BENEDETTO, Università di Roma "La Sapienza", Italy: "Acoustic Analysis and Perception of Classes of Sounds (vowels and consonants)"

B. GRANSTROM, Royal Institute of Technology (KTH), Sweden: "Multi-modal Speech Synthesis with Application"
J. P. HATON, Université Henri-Poincaré, CRIN-INRIA, France: "Neural Networks for Automatic Speech Recognition"
H. HERMANSKY, Oregon Graduate Institute, USA: "Goals and Techniques of Speech Analysis"
J. OHALA, University of California at Berkeley (CA), USA: "Articulatory Constraints on Distinctive Features"
J. S. LIENARD, LIMSI-CNRS, France: "Speech Perception", "Voice Perception", "Beyond Pattern Recognition"

PURPOSE

The aim of this school is to present the experiments, the theories and the perspectives of acoustic phonetics, as well as to discuss recent results in the speech literature. The school is devoted to an international audience and in particular to all students and scientists who are working on some aspects of speech and want to learn other aspects of this discipline.

POETIC TOUCH

Vietri (from "Veteri", its ancient Roman name) sul Mare ("on sea") is located within walking distance from Salerno and marks the beginning of the Amalfi coast. Short rides take to Positano, Sorrento, Pompei, Herculaneum, Paestum, Vesuvius, or by boat, the islands of Capri, Ischia, and Procida. Velia is a hundred km down along the coast.

GENERAL INFORMATION

People wishing to attend the course should apply by electronic mail to: iiass@tin.it, subject: summer school
or by fax to: +39 89 761 189 (att.ne Prof. M. Marinaro)
or by ordinary mail to: IIASS (Summer School), Via Pellegrino 19, 84019 Vietri sul Mare (SA) Italy.

The total fee, which includes full board and lodging (arranged by the school) is 1500 dollars. A limited number of fellowships is available.

See <http://ophale.icp.inpg.fr/esca/grants.html>
or <http://wsfalco.ing.uniroma1.it/Speechschool.html>
for application form and further information.

Closing date for application: May 15 1998.

Advisory Committee:

Gerard Chollet (France), Maria Gabriella Di Benedetto (Italy), Anna Esposito (Italy), Maria Marinaro (Italy).

It is regretted that it will not be possible to allow any person not selected by the Advisory Committee to follow the Course.

Participants must arrive in Vietri on October 4 in the evening
Classes started on October 5 at 9:30 in the morning.

The official language will be English.

DIRECTORS OF THE SCHOOL

Maria Marinaro - Michael Jordan

DIRECTORS OF THE COURSE

Gerard Chollet - Maria Gabriella Di Benedetto

IIASS

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