



**Institute of
Acoustics**

ISMA'97

International Symposium on Musical Acoustics

Edinburgh, August 1997

PROGRAMME



FLUTES AND ORGAN PIPES

Session K4, S7

Session chairman: Domenico Stanzial

Wednesday 20th 14:00

- 285 Effect of Voicing Steps on the Stationary Spectrum and Attack Transient of a Flue Organ Pipe (invited paper)
J. Angster [1], G. Paál [2], W. Garen [2] and A. Miklós [1]
1. *Fraunhofer-Institut für Bauphysik, Stuttgart, Germany*
2. *Fachhochschule Ostfriesland, Emden, Germany*

Wednesday 20th 14:35

- 295 Sound and Flow in the Mouth of Flue Organ Pipes, Part 1: Fully Developed State
G. Paál [1], J. Angster [2], W. Garen [1] and A. Miklós [2]
1. *Fachhochschule Ostfriesland, Emden, Germany*
2. *Fraunhofer Institut für Bauphysik, Stuttgart, Germany*

Wednesday 20th 14:50 + 10

- 303 Sound Intensity Measurements of an Open Organ Pipe
Anna Runnemalm [1] and Örjan Johansson [2]
1. *Division of Experimental Mechanics, Luleå University of Technology, Sweden*
2. *Division of Environment Technology, Luleå University of Technology, Sweden*

Wednesday 20th 15:05 + 10

309

Acoustic Behaviour of Chimney Pipes (poster) ++
M.P. Verge [1], R.L.M. Schoffelen [2], A.P.J. Wijnands [2], A. Hirschberg [2], and
C. Box [2]

1. *Laboratoire d'Acoustique Musicale, Université Paris VI, France*
2. *Department of Physics, Eindhoven University of Technology, The Netherlands.*

Why there is no simple flow
Review of
organ pipes

Wednesday 20th 15:20 + 15

315

The Acoustic Impedance of the Boehm Flute: Standard and some Non-Standard
Fingerings

John R. Smith, Nathalie Henrich and Joe Wolfe

School of Physics, University of New South Wales, Sydney, Australia