

## 付録 B

### SQS 98 で発表された論文

1998 年, Noise-Con 98 の一部として音質シンポジウム (SQS: Sound Quality Symposium) がミシガン州 Ypsilanti で開催された。その内容を以下に示す。講演論文集は米国騒音制御工学会で購入することができる。また, 同工学会のウェブサイト <http://users.aol.com/inceusa/ince.html> でも詳細な情報を知ることができる。Inter-noise 2002 の開催時に, Dearborn で第二回目の音質シンポジウム SQS 02 が開催される予定である。

#### PLENARY SESSION PAPERS

H. Fastl, *Psychoacoustics and sound quality metrics*

R. H. Lyon, *Converting consumer preference to design choices - a roadmap needed*

#### SUBJECTIVE EVALUATIONS IN SOUND QUALITY AND OTHER FIELDS

G. V. Civille, *Understanding the flavors of foods and beverages in terms of subjective and objective sensory evaluation responses*

F. E. Toole, *Subjective measurements of loudspeaker performance*

D. Clark, *Listening technology for automotive sound systems*

#### SENSORY TESTING AND EVALUATION

W. C. Eaton, G. V. Civille, *Sensory evaluation techniques for sound quality*

M. S. Khan, O. Johansson, U. Sundback, *A laboratory study of sound quality with artificial head and stereophonic recordings in free field conditions*

M. S. Khan, O. Johansson, U. Sundback, *A study of repeatability in annoyance judgments for engine noise in free field conditions*

#### CALCULATION OF OBJECTIVE MEASURES

U. Widmann, H. Fastl, *Calculating roughness using time-varying specific loudness spectra*

L. Hastings, M. D. Rao, H. A. Evensen, *Modulation based metrics in sound quality associated with the perception of dissonance.*

J.-G. Ih, H. Jeong, *Measurement of time varying loudness by using the short time Fourier transform with variable frequency resolution*

M. Kachur, *A survey of sound quality jury evaluation correlations: loudness versus A-weighted sound level*

#### MODELING IN SOUND QUALITY

F. Deblauwe, P. Van de Ponsele, G. Lowet, *Modeling in-vehicle engine noise (listen to the noise paths)*

P. C. Laux, P. Davies, *Procedure to develop an artificial neural network model that predicts annoyance to time-varying noises*

#### CASE STUDIES WITH AN EMPHASIS ON OBJECTIVE MEASURES

K. Genuit, J. Poggenburg, *21st century noise control: a way to a convenient future*

J. Hobelsberger, U. Widmann, N. Lindener *Optimizing sound quality of vehicles in an acoustic wind-tunnel by means of a digital measurement system*

R. C. Sohaney, P. T. Thawani, N. G. Humbad, *Objective metrics for in-vehicle steady state refrigerant system noise*

#### CASE STUDIES

A. J. Champagne, M. E. Lewis, *Acceptable electric power steering levels: a case study*

#### AUTOMOTIVE ELECTRO-MECHANICAL SYSTEMS

T. C. Lim, R. D. Shadden, *On the annoyance factors of power window regulator sounds*

D. E. Melton, J. Horvath, *Power track "wow" reduction through feedback speed control*

D. E. Melton, D. Petrovski, *Improving and testing sound quality in power recliners*  
T. Letowski, R. Eames, *Engine noise and the sound quality of automobile starter sounds*  
S. Amman, J. Greenberg, *Jury evaluation and quantification of automobile strut noise*