FRIDAY, SEPTEMBER 8th, 2006

9:00 AM  Registration
10:00 AM  Welcome and opening remarks

SESSION I: Airflow, Asthma, Wheeze
Session Chair: Leontios Hadjileontiadis

10:15 AM  Posture effects on the relation of airflow and lung sounds
J. A. Fiz, J. Gnitecki, S. S. Kraman, G. R. Wodicka, and H. Pasterkamp

10:30 AM  Relationship between flow-volume curve and expiratory wheeze in bronchial asthma
H. Kiyokawa, S. Takafuji, and M. Yonemaru

10:45 AM  Presentation of a sample test case on the self-excited oscillations in collapsible tube flows
M. Ö. Çarpinlıoğlu and V. Oruç

11:00 AM  Vesicular and broncho-vesicular breath sound and airway inflammation in asthma

11:15 AM  On analyzing the harmonic content of wheezes using wavelet bicoherence
S. A. Taplidou and L. J. Hadjileontiadis

11:30 AM  Coffee break

SESSION II: COPD, Cough, Crackles
Session Chair: Zahra Moussavi

11:45 AM  Monitoring lung sounds of COPD-patients
M. Silva, S. Van Neck, T. Lauwerier, J.-M. Aerts, M. Decramer, and D. Berckmans

12:00 AM  A development of a new cough monitoring system using wireless accelerometer
A. Murata and S. Kudoh

12:15 PM  Crackles in Asbestosis
R. Murphy

12:30 PM  Background Signal Elimination for Crackle Analysis
M. Yeginer and Y. P. Kahya
12:45 PM  Analysis of simulated crackle sounds by empirical mode decomposition
S. Charleston-Villalobos, R. González-Camarena, G. Chi-Lem, and
T. Aljama-Corrales

1:00 PM  Lunch

SESSION III: Poster Session
Session Chairs: Noam Gavriely and Sonia Charleston-Villalobos

2:30 PM  Poster Viewing

Poster Discussions

3:00 PM  Automated Lung Sound Analysis in Patients with Chronic Obstructive Lung Disease
R. Murphy, A. Vyshedskiy, R. Paciej, A. Wong-Tse, and D. Bana

3:10 PM  Wheeze analysis using the Hilbert-Huang transform
S. A. Taplidou and L. J. Hadjileontiadis

3:20 PM  Effect of anti-inflammatory treatment on breath sound and airway inflammation in asthma

3:30 PM  Increased lung sound intensity after salbutamol inhalation indicates significant bronchodilation
J. A. Fiz, J. Pang, J. Gnitecki, and H. Pasterkamp

3:40 PM  Estimation of Inspired Volume Prior To Coughing From Sound
K. McGuiness, A. Kelsall, A. Woodcock, and J. A. Smith

3:50 PM  Poster summary by the Session Chairs

3:55 PM  Coffee break

4:15 PM  Business Meeting
SATURDAY, SEPTEMBER 9th, 2006

SESSION IV: Sleep Acoustics Symposium
Session Chairs: Hans Pasterkamp and Ray Murphy

9:30 AM  Acoustic analysis methods applied to sleep research
T. Penzel, V. Gross, C. Reinke, and U. Koehler

9:45 AM  Apnea Detection by Acoustical Means
A. Yadollahi and Z. Moussavi

10:00 AM  Clinical use of nocturnal long-term recording of breath sounds
U. Koehler, C. Reinke, V. Gross, and T. Penzel

10:15 AM  Nocturnal long-term recording of snoring in patients undergoing polysomnography
D. Matsiki, X. Deligianni, E. Vlachogianni-Daskalopoulou, and L. J. Hadjileontiadis

10:30 AM  Coffee break

10:45 AM  Nocturnal long term recording of respiratory sounds (LTR-RS) in patients with gastroesophageal reflux in combination with 24-h pH testing

11:00 AM  Nocturnal long term recording of respiratory sounds (LTR-RS) in patients with rhinosinusitis

11:15 AM  CPAP treatment on cognitive Performance of Aviators with Obstructive Sleep Apnoea Syndrome
C. Kourtidou-Papadeli, E. Daskalopoulou, C. Papadelis, P. Angelidis, M. Psymarnou, and E. Perantoni

11:30 AM  Pilot monitoring to prevent the sleep apnea syndrome and maximize performance
C. Kourtidou-Papadeli, M. Psymarnou, P. Angelidis, and S. Spyrou

11:45 AM  Coffee break

12:00 AM  Panel Discussion on Sleep Acoustics
Discussion Leaders: Steve Kraman, Hans Pasterkamp, Ray Murphy and Thomas Penzel
12:45 PM  Group Photo

1:00 PM  Lunch

SESSION V: Swallowing, bowel, heart sounds
Session Chair: Shoji Kudoh

2:30 PM  Automated Extraction of Swallowing Sounds Using a Wavelet-Based Filter
Z. Moussavi and M. Aboofazeli

2:45 PM  Contamination of the acoustic response of the gastrointestinal tract by lung sounds
J. A. Hession and B. A. O. McCormack

3:00 PM  Acoustic cardio-pulmonary interactions
N. Gavriely, G. Amit, K. Shukha, and N. Interator

3:15 PM  Student/Young Researcher Award Voting Reports

3:20 PM  Coffee break

3:30 PM  Award Announcement/Closing Comments
Steve Kraman, ILSA President