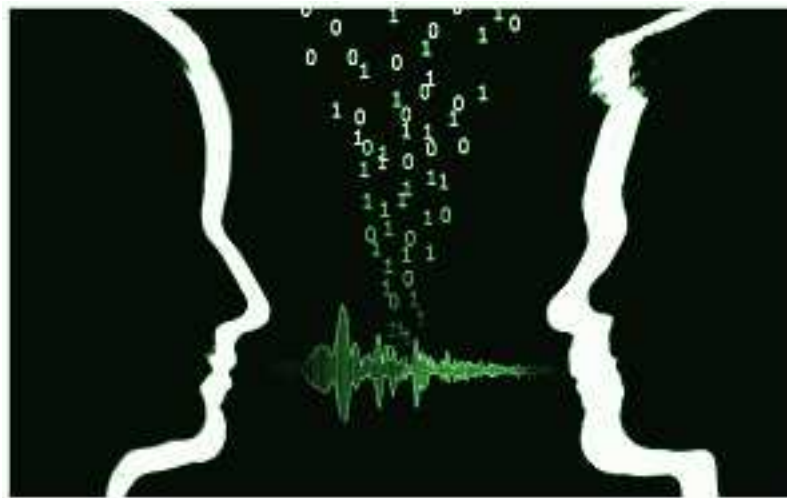Dear colleagues,
let us invite you to participate in the international workshop:

4th workshop Acoustics and Speech Processing

joined with

GAMMA Workshop on Speech Processing in ATM Security

The workshop will be organized by the
Institute of Informatics of the Slovak Academy of Sciences
together with the **Department of Electronics and Multimedia Telecommunications, Technical University of Košice** and **Slovak Acoustical Society**

Date: **28th to 29th of November**

Place: **Room number 102**
Institute of Informatics of the Slovak Academy of Sciences, Dúbravská cesta 9, 845 07 Bratislava, Slovak Republic
<**http://www.ui.sav.sk/w/en/about-us/contact/**>

and GAMMA section partly (selected lectures) at: the premises of
Letové prevádzkové služby Slovenskej republiky š.p. <**http://www.lps.sk/en/**>
Ivanská cesta 93, 823 07 Bratislava 216, Slovak Republic

Program of the workshop

09:00 – 09:25	Milan Rusko: Acoustics and automatic speech processing in air traffic management - outlining topics
09:30 – 09:55	Michal Kuba: Topics in automatic speech processing being worked on at Žilina University
10:00 – 10:25	*Coffee break*
10:30 – 10:55	Igor Guoth, Michal Kuba: Building an emotional speech database in UI SAV – ŽU cooperation
11:00 – 11:25	Michael Finke & Tim Stelkens – Kobsch: Speech recognition in Air traffic control (DLR, Germany)
11:30 – 11:55	GAMMA prototype validation – Michael Finke (DLR)
12:00 – 13:25	*Lunch in the premises of SAV*
13:30 – 13:55	Psychological, biological and technical aspects of stress measurement from speech – Jakub Rajčáni (Comenius University Bratislava) and Milan Rusko (UI SAV)
14:00 – 14:25	Igor Guoth: Emotion and stress recognition using phase spectrum (UI SAV)
14:30 – 14:55	Marian Trnka and Sakhia Darjaa: Cockpit noise and radio-channel - the influence on speaker verification – (UI SAV)
15:00 – 15:25	Marian Trnka and Sakhia Darjaa: Speaker verification spoofing using speech synthesizers
15:30 – 15:55	*Coffee break*
16:00 – 16:25	Štefan Beňuš, Marián Trnka: Speech entrainment research automatic using speech processing and PC games.
16:30 – 16:55	Peter Viszlay, Jozef Vavrek, Martin Lojka, Jozef Juhár, Matúš Pleva: Multilingual Query-by-Example Retrieval using Weighted Fast Sequential DTW (KEMT TUKE)
17:00 – 17:25	Tomáš Koctúr, Ján Staš, Jozef Juhár: Unsupervised Acoustic Corpora Building Based on Two Complementary ASR Systems And Confidence Measure Thresholding (TUKE)
18:00	*Working dinner in Patrónsky Pivovar (Patronka Brewery)*
20:00	*Old Town of Bratislava – sightseeing walk*

Tuesday, 29th of November, General session at UI SAV

09:00 – 09:25	Welcome & Project APVV-15-0517 recapitulation of tasks and planned output (KEMT)
09:30 – 09:55	Róbert Sabo, Peter Viszlay: Acoustic databases, corpora, data and anotation
10:00 – 10:25	*Coffee break*
10:30 – 10:55	Martin Lojka et. al.: Basic and advanced acoustic modeling and adaptation of AM
11:00 – 11:25	Martin Lojka, Jozef Juhár: Modified Hypothesis Combination for Improved Speech Recognition
11:30 – 11:55	Ján Staš, Daniel Hládek, Jozef Juhár: Language Model Adaptation to a Specific Speaking Style
12:00 – 13:25	*Lunch in the premises of SAV*
13:30 – 13:55	Martin Lojka et. al.: Decoder issues
14:00 – 14:25	Martin Lojka Marián Trnka, et. al.: Architecture of the online text-speech alignment system
14:30 – 14:55	Martin Lojka Marián Trnka, et. al.: Architecture of the online speech recognition system
15:00 – 15:25	Marián Ritomský et. al.: Postprocessing and GUI
15:30 – 15:55	*Coffee break*
16:00 – 16:25	Discussion on future steps and closure of the Workshop

Tuesday, 29th of November, GAMMA session at LPS š.p. :

9:15	Selected participants of the GAMMA section (foreign guests and selected lecturers) will leave ***from UI SAV*** to the premises of Letové prevádzkové služby Slovenskej republiky š.p. http://www.lps.sk/en/, Ivanská cesta 93, Bratislava.
9:45	Registration at LPS š.p.
10:00 – 10:25	GAMMA project overview – Claudio Scarsciotti, Leonardo company, Italy

10:30 – 10:55	GAMMA prototype and validation – Tim Stelkens-Kobsch, (DLR Germany)
11:00 – 12:00	LPS š.p. – the Slovak air traffic management provider (LPS)
12:00 – 13:00	*Lunch in the premises of LPS*
13:00 – 13:55	Discussion on usability of the automatic speech processing technologies in ATM. Discussion on possible cooperation and participation of LPS in GAMMA validation.
14:00	*End of the GAMMA workshop*