**PROGRAM KONFERENCIE**

**Štvrtok 12. 05. 2016**

8:00 – 9:00 Registrácia účastníkov konferencie.

9:00 – 9:10 Otvorenie konferencie, príhovor vedeckého garanta konferencie prof. Ing. Tobiáša Lazara, DrSc.

Pozvaná prednáška

9:10 – 9:40 Ing. Miroslav Šmelko, PhD., Ing. Pavol Lipovský, PhD., .....

TU v Košiciach, Letecká fakulta

„Príspevok Leteckej fakulty TUKE v projekte prvej slovenskej družice skCUBE“

Odborné prednášky. Vedúci sekcie: Ing. Juraj Vagner, PhD.

9:40 – 9:55 Ing. Viktor KÁN, Ján BAJÚS , Ing. Tomáš VOLČKO, Ing. Tomáš KLIMENT, Ing. Norbert FLACHBART

TESTING OF GMI EFFECT ON MODERN MAGNETIC MATERIALS

9:55 - 10:10 Ing. Tomáš KLIMENT, Ing. Viktor KÁN, Ing. Ján BAJÚS, Ing. Tomáš VOLČKO

ANALYSIS OF THE LEARNING ALGORITHMS OF NEURAL NETWORKS

10:10 – 10:25 Ing. Martin KRCHNAK, doc. Ing. Ján LABUN, PhD.

MEASUREMENTS IN ANECHOIC CHAMBERS

10:30 – 10:50 Prestávka

Odborné prednášky. Vedúci sekcie: Ing. Juraj Vagner, PhD.

10:50 – 11:05 Ing. Radovan KOVÁCS, Ing. Ladislav FŐZŐ, PhD., Ing. Dalibor KUŽMA

SMALL JET ENGINE ADAPTIVE MATHEMATICAL MODEL

11:05 – 11:20 Ing. Tomáš VOLČKO, Ing. Ján BAJÚS , Ing. Viktor KÁN, Ing. Tomáš KLIMENT, Ing. Norbert FLACHBART

SURVEILLANCE AND CA SYSTEM BASED ON EXISTING MOBILE NETWORK

11:20 – 11:35 Ing. Gabriel KALAPOŠ, doc. Ing. Ján LABUN, PhD.

POSSIBILITIES EVALUATION OF PHASE RATIO OF THE RADIO SIGNAL

11:35 – 11:50 Ing. Henrich GLASER-OPITZ, Michaela GRIČOVÁ, Leonard GLASER-OPITZ

AIRCRAFT TRAJECTORY MODELING USING BADA MODEL

11:50 – 12:05 Ing. Iveta VAJDOVÁ, Ing. Jana CIBEREOVÁ, Ing. Natália KOTIANOVÁ

THE EFFECTIVENESS OF FLIGHT SIMULATORS IN PILOTS TRAINING

12:05 – 12:20 Ing. Jan ZÝKA, Ivo DRAHOTSKÝ

WORKING IN AIRPORT TERMINAL AS A TRIGGER OF OPEN SPACE SYNDROME?

12:20 – 12:35 Ing. Ján HRABOVSKÝ, doc. Ing. Rudolf ANDOGA, PhD.

POSSIBILITIES OF SOFTWARE IMPLEMENTATION OF CONTROL SYSTEM

12:35 – 12:50 Ing. Tomáš VAISPACHER, doc. Ing. Róbert BRÉDA, PhD.

ELORAN – AIDING NAVIGATION SYSTEM FOR INTEGRATION ARCHITECTURES

13:00 – 14:00 Prestávka na obed

Odborné prednášky. Vedúci sekcie: Ing. Juraj Vagner, PhD.

14:00 – 14:15 Ing. Ján BAJÚS, Ing. Viktor KÁN, Ing. Tomáš VOLČKO, Ing. Tomáš KLIMENT, Ing. Norbert FLACHBART

TESTING STATIC PARAMETERS OF ACCELEROMETERS

14:15 – 14:30 Ing. Dalibor KUŽMA, Ing. Oskar SLOBODA, Ing. Radovan KOVÁCS

PRACTICE USAGE OF SIEMENS NX SOFTWARE FOR AIRCRAFT APPLICATION

14:30 – 14:45 Ing. Miriam SEKELOVÁ

MATHEMATICAL CALCULATION OF PLANES GLIDE IN THE DEGRADATION OF AUTOMATED SYSTEMS

14:45– 15:00 Ing. Žaneta MIŽENKOVÁ, Ing. Miriam SEKELOVÁ, Ing. Jozef SABO, PhD., Ing. Ľubomír STANKO

PREVENTION OF RUNWAY INCURSION

15:00 – 15:15 Ing. Jozef KOZÁR, Phillip J. BURLEY

OPERATION PERIODS OF A PHOBOS BASED MARS RETRANSLATION STATION

17:30 Spoločenský večer (jedáleň, Rampová 7)

**Piatok 13. 05. 2016**

8:30 – 8:35 Otvorenie druhého dňa

Pozvaná prednáška

8:35 – 9:05 RNDr. Kristína Budajová, PhD., TU v Košiciach, Letecká fakulta

„Aplikácie teórie grafov“

Odborné prednášky. Vedúci sekcie: doc. Ing. Ján Labun, PhD.

9:05 – 9:20 Ing. Natália KOTIANOVÁ, prof. Ing. Milan DŽUNDA, CSc., Dr.h.c. doc. Ing. Stanislav SZABO, PhD., MBA, Ing. Iveta VAJDOVÁ, Ing. Jana CIBEREOVÁ

APPLICATIONS OF RELATIVE NAVIGATION IN THE AVIATION

9:20 – 9:35 Miroslav GOLIÁŠ, Ing. Ján ZBOJOVSKY, PhD., Ing. Martin KRCHNAK, doc. Ing. Ján LABUN, PhD.

ACTIVE LIGHTING CONDUCTOR FOR AIRCRAFT TECHNOLOGY

9:35 – 9:55 Prestávka

Prezentácie víťazných prác ŠVOČ 2016

9:55 – 10:10 Bc. Zuzana ŠUSTEROVÁ,

MARKETING TOOLS OPTIMALIZATION FOR BLUE SLOVAKIA

10:10– 10:25 Pavol MARCIN

GIANT MAGNETOIMPEDANCE IN THIN MAGNETIC WIRES

10:25 – 10:40 Bc. Tomáš PACIGA

PRÚDOVÉ POLE NAD PLOCHOU STRECHOU PRE UMIESTNENIE VETERNEJ TURBÍNY

10:40 Ukončenie konferencie