

ВІДНОВЛЕНО РОБОТУ ТЕХНІЧНОГО КОМІТЕТУ №13 З НАВЧАННЯ І ТРЕНІНГІВ ЄВРОПЕЙСЬКОЇ АСОЦІАЦІЇ З ЦІЛІСНОСТЕЙ КОНСТРУКЦІЙ (ESIS)

ACTIVITY OF ESIS TC13 ON EDUCATION AND TRAINING IS RENEWED

After a short break the ESIS TC13 on Education and Training, which was eliminated by the ESIS Council decision in 2013, has been revitalized again. Professor Volodymyr Panasyuk, Head of Ukrainian National Group of ESIS, has sent the letter to Professor Leslie Banks-Sills, ESIS President, where pointed out on very important role of TC13 in the ESIS structure for education and training of young researchers and promoting their professional growth.

After preliminary consultations with the ESIS President and former Chairman of TC13, Professor László Toth, Ukrainian National Group of ESIS has nominated the candidature of Professor Petro Yasniy (Rector of Ivan Pul'uj Ternopil National Technical University, Ukraine) for the TC13 Chairman.

This proposition was considered at the ESIS Executive Committee meeting (March 6, Rome, Italy) and the decision on the renewing the TC13 activity was approved.

In accordance with ESIS regulations the Co-chairmen of renewed TC 13 were elected (<http://www.structuralintegrity.eu/esis/activity/tc/44-esis-tc13>):

- Prof. Dr. Eng. Liviu MARSAVINA, Faculty of Mechanical Engineering Politehnica University of Timisoara, Romania, E-mail: lmarsavina@yahoo.com, msvina@mec.upt.ro;
- Prof. Petro YASNIY, Ivan Pul'uj Ternopil National Technical University, Ukraine, E-mail: yasniy@networkacad.net.

During this time the TC13 Co-chairmen were held the organizational work on formation of the committee. The invitation to the membership of TC13 was sent to the recognized scientists who have an experience of teaching and supervising of the doctoral studies. The following scientists gave their consent to be the member of TC13:

- Žilvinas BAZARAS, Professor, Department of Transport Engineering Kaunas University of Technology, Kaunas, Lithuania +370 616 50071, E-mail: zilvinas.bazaras@ktu.lt
- Andrea CARPINTERI, Professor (Dr Ing Mr), Full Professor of Structural Mechanics (Structures, Materials, Fatigue and Fracture) Department of Civil Engineering, University of Parma, Parma, Italy, E-mail: andrea.carpinteri@unipr.it
- Nenad GUBELJAK, Professor, Doctor, Head of Laboratory for Machine Parts and Structures, Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia; E-mail: nenad.gubelj@um.si
- Jerzy KALETA, Ph.D., D.Sc., Eng., Prof. of WrUT, Head of Mechanics and Materials Science and Engineering Department Faculty of Mechanical Engineering, Wrocław University of Technology, Wrocław, Poland, Tel.:(0048)-71-320-2766; E-mail: jerzy.kaleta@pwr.edu.pl
- Yuri LAPUSTA, Professor, IP / IFMA / Université Blaise Pascal, Clermont-Ferrand, France; E-mail: yuri.lapusta@ifma.fr

- Hryhoriy NYKYFORCHYN, Professor, Head of the ESIS TC10 Subcommittee, Professor, Head of Department of Karpenko Physico-Mechanical Institute of National Academy of Sciences of Ukraine; E-mail: nykyfor@ipm.lviv.ua
- Volodymyr PANASYUK, Professor, Head of Ukrainian National Group of ESIS, Professor, Honorary director of Karpenko Physico-Mechanical Institute of National Academy of Sciences of Ukraine; E-mail: panasyuk@ipm.lviv.ua
- Reinhard PIPPAN, Professor, Institute of Materials Science, Leoben, Austria; E-mail: reinhard.pippan@oeaw.ac.at
- Guy PLUVINAGE, Professor, LaBPS - École Nationale d'Ingénieurs de Metz, 1 route d'Ars Laquenexy, CS 65820, 57078 Metz, France; E-mail: pluvinage@cegetel.net
- László TÓTH, Professor, Dr., Scientific Advisor, Bay Zoltán Nonprofit Ltd. for Applied Research Institute for Logistics and Production Engineering (BAY-LOGI); E-mail: laszlo.toth@bayzoltan.hu
- Aleksandar SEDMAK, Full Professor, University of Belgrade, Serbia, E-mail: asedmak@mas.bg.ac.rs

The main task of TC13 is the organisation of the Summer Schools on Fracture Mechanics under ESIS auspices. For nearest future the following such schools are planned:

- September 24 – 25, 2015: Polish-Ukrainian-German Summer School of Fracture Mechanics (Ternopil, Ukraine);
- June 20-24, 2016: International Fracture Mechanics Summer Schools (Catania, Italy).

Now the TC13 is preparing the 14-th Polish-Ukrainian-German Summer School of Fracture Mechanics “Damage and Integrity of Structures”, that will be held at Ivan Pul’uj Ternopil National State Technical University under organizational and financial support of ESIS. The Programme of this school is given below.

14th Polish-Ukrainian-German Summer School on [Fracture Mechanics](#)

“Damage and Integrity of Structures”

24-25 September 2015, Ternopil, Ukraine

CHAIRS

Volodymyr PANASYUK, Professor, Head of the Ukrainian National Group of ESIS, Professor, Honorary director of G.V. Karpenko Physical-mechanical institute of the National Academy of Sciences of Ukraine

Włodzimierz KASPRZAK, Professor Institute of Control and Computation Engineering Warsaw University of Technology, Poland

INTERNATIONAL ADVISORY COMMITTEE

Prof. Petro YASNIY, Ternopil Ivan Pul’uj National Technical University, Ukraine
 Prof. Dr. Eng. Liviu MARSAVINA, Faculty of Mechanical Engineering Politehnica University of Timisoara, Romania

Jerzy KALETA, Ph.D., D.Sc., Eng., Prof. of WrUT, Head of Mechanics and Materials Science and Engineering Department Faculty of Mechanical Engineering, Wroclaw University of Technology, Poland

Hryhoriy NYKYFORCHYN, Professor, Head of the ESIS TC10 Subcommittee, Professor, Head of Department of G.V. Karpenko Physical-mechanical institute of the National Academy of Sciences of Ukraine

László TÓTH, Professor, Dr., Scientific Advisor, Bay Zoltán Nonprofit Ltd. for Applied Research Institute for Logistics and Production Engineering, Hungary

PROGRAMME

24 September, 2015			
8.30-8.45	The registration of participants		
8.45-9.00	Opening Ceremony: welcome addresses and introduction remarks		P.Yasniy, V.Panasyuk, W.Kasprzak, L.Tóth, J.Kaleta, L.Marsavina
9.00-11.00	P. Yasniy	Basic approaches of fracture mechanics	Ternopil Ivan Pul'uj National Technical University (Ukraine)
11.00-11.15	Coffee break		
11.15-13.15	P. Yasniy	Basic concepts and mechanisms of fatigue	Ternopil Ivan Pul'uj National Technical University (Ukraine)
13.15-14.00	Lunch		
14.00-16.00	O. Yasniy	Exercise session: The calculations of residual lifetime of structural elements under cyclic loading considering the scatter of cyclic crack growth resistance characteristics	Ternopil Ivan Pul'uj National Technical University (Ukraine)
16.00-18.00	Banquet		
25 September, 2015			
8.30-10.30	L. Tóth	Semi non-destructive material characterization for ageing monitoring of operating components	Bay Zoltán Nonprofit Ltd. for Applied Research Institute for Logistics and Production Engineering (Hungary)

10.30-10.45	Coffee break		
10.45-12.45	H. Nykyforchyn	The main regularities and methods of evaluation of dissipated damaging in steels caused by its long-term service	Karpenko Physico-Mechanical Institute of the NAS of Ukraine
12.45-13.45	Lunch		
13.45-15.45	A. Krasowskii	Application of fracture mechanics methodology to the structural integrity assessment of some industrial objects	Pisarenko Institute for Problems of Strength of the NAS of Ukraine
15.45-16.00	Coffee break		
16.00-18.00	J. Kaleta	Design, manufacturing, modelling, monitoring and testing of high-pressure composite vessels for hydrogen storage	Wroclaw University of Technology (Poland)
18.00-19.00	Closing Ceremony: summary and discussion on new status of Summer Schools		Yasniy P., Marsavina L., Nykyforchyn H.

Future activity and work plans of the TC13 will be discussed and accepted at the ECF 21 (June 20-24, 2016, Catania, Italy).

The Co-chairmen of TC13 are grateful Professor Leslie Banks-Sills, ESIS President for her organizational and advisory support. They also would like to thank all scientists who gave their kind consent to be the member of TC13.

Liviu MARSAVINA

Petro YASNIY

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