September 10th , Day 0		
18:00 – 21:00	**Welcome cocktail party on a boat**	
September 11th , Day 1st		
	Room A	**Room B**
8:50 – 9:00	Opening ceremony	
9:05 – 10:00	Keynote lecture 1 – Zhu S.P. Chairman: G. Lesiuk	
10:00 – 10:15	**Chairman: S.P. Zhu** Sedmak A., Sedmak S., Miladinov M., Kirin S., Milovanovic N., *Risk analysis of pipeline inlet elbows in hydro power plant perućica based on fracture mechanics and structural integrity approach*	
10:15 – 10:30	Sedmak S., Sedmak A., Miladinov M., Petrović A., Milovanovic N., *Risk analysis of pipeline branch in hydro power plant perućica based on fracture mechanics and structural integrity approach*	
10:30 – 10:45	Bacco A., Giannella V., Sepe R., *Influence of the welding process on the stress corrosion cracking of high-strength steel welded joints*	
10:45 – 11:00	Mendez-Morales M., Tankova T., Branco R., Rebelo C., *Structural integrity and durability optimization of waam carbon steel elements for fatigue-sensitive components*	
11:00 – 11:30	**Coffee Break**	
11:30 – 12:25	Keynote lecture 2 – Seitl S Chairman: Sz. Duda	
12:25 – 12:40	**Chairman: A. de Jesus** Bohm M., *Influence of loading spectra and fatigue life assessment calculation domain on the safety of complex structures*	**Chairman: D. Rozumek** Macek W., Deja M., Pojda D., Korpys M., Jiang C.P., Lesiuk G., *Quantitative techniques for assessing fatigue damage after failure*
12:40 – 12:55	Diaz Salamanca D., Muniz-Calvente M., Llavori I., Zabala A., Pando P., Papuga J., *Assessing the influence of surface roughness and residual stresses on the fatigue behaviour of 42CrMo4+qt steel*	Song X., Zhu S.P., Chen Z., Luo C., Wang L., *Probabilistic damage tolerant assessment of cracked structures under size effect*
12:55 – 13:10	Meng D., Yang H., Yang S., Jesus A.M.D., Zhu S.P., *A hybrid modeling-based reliability optimization method for complex engineering structures*	Grudnik M., Krysiński P., Polkowski J., Konarzewski M., Panowicz R., Paszula J., Szymanczyk L., Hara M., *Air blast tnt equivalence for explosive with and without aluminium powder*
13:10 – 13:25	Klusak J., Seitl S., Kunz L., Kozakova K., *Material characterisation of clinched joint subjected to cyclic loading*	Gao J.W., Zhang H.S., Zhu S.P., Zhang J.F., Han J., *Damage tolerance of induction hardened s38c railway axles subjected with foreign object damage at low temperature*
13:25 – 14:30	**Lunch Break**	
14:30 – 15:25	Keynote lecture 3 Jose A.F.O. Correia Chairman: S. Seitl	
15:25 – 15:40	**Chairman: S. Seitl** Smolnicki M., *Application for predition of crack path and fracture parameters in CTS specimens under mixed-mode I+II*	**Chairman: W. Macek** Duda S., P. Zielonka, M. Smolnicki, G.Lesiuk *Numerical-experimental analysis of the effect of a stress concentrator on the strength of CFRP material*
15:40 – 15:55	Gevrek I., Gevrek M.I., *Risk assessment matrix for complex helicopter operations*	Adamczak-Bugno A., *Assessment of the effect of fire temperatures on s235 steel using acoustic emission method, numerical analysis and metallographic tests – **ONLINE***
15:55 – 16:10	Lipiec S., Dzioba I., *Assessment of the fracture toughness of steam pipe material based on numerical simulations*	*Petrashchuk V., Shatskyi I., Closure of collinear cracks in bending of multilayer plate with symmetrical structure - **ONLINE***

16:10 – 16:25	Paweł ZIELONKA, Szymon DUDA, Michał SMOLNICKI, Paweł STABLA, Grzegorz LESIUK *Mechanical behaviour prediction of the hybrid composite rebars for concrete structures based on micromechanical approach*	*Dalyak T., Shatskyi I., Equilibrium of plate with cyclic-symmetrical system of radial cracks healed near tips* - ***ONLINE***
18:00	**Gala dinner**	
September 12th , Day 2nd		
	Room A	**Room B**
9:05 – 10:00	Keynote lecture 4 – F. Berto Chairman: A. Sedmak	
10:00 – 10:15	**Chairman: S. Sedmak** Rozumek D., Lesiuk G., Duda Sz., Zielonka P., Correia J.A.F.O, Abilio M.P. De Jesus., *Fatigue crack growth rate description in long term-operated bridge steel*	**Chairman: K. Kula** Rita DANTAS, Ana DANTAS, Gonçalo P. CIPRIANO, Felipe FIORENTIN, José A.F.O. CORREIA, Grzegorz LESIUK, Abílio de JESUS *Frequency effect in multiaxial fatigue behaviour of a structural steel for offshore wind turbine support systems*
10:15 – 10:30	He J.C., Segurado J., Zarzoso G., Song X., Zhu S.P., *Fatigue life prediction of notched specimens under size effect using cp-fft: application to Ni-based superalloy GH4169*	Sybilski K. Application of multi-objective optimization to improve the reliability and stability of structure
10:30 – 10:45	De Jesus A., Dantas R., Fiorentin F., Correia J., *GCYCLEFAT: insights into ultra-highcycle fatigue behavior of engineering alloys*	Seitl S., Khazali M.S.A., Kozakov a K., Klusak J., *Effect of specimen geometry on high cycle fatigue life of s460 nl,*
10:45 – 11:00	Carlos SOUTO, Marco PARENTE, José CORREIA, Abílio DE JESUS *A damage-tolerant design framework for total fatigue life prediction applied to thin-walled and cold-formed mild steel structures*	Mituica D.E., Felho C., Cernescu A.V., *Numerical and analytical analysis of roughness effects in pla fdm parts: Comparison between as-printed and post-machined surfaces*
11:00 – 11:30	**Coffee Break**	
11:30 – 12:25	Keynote lecture 5 – Sylwia Werbińska-Wojciechowska Chairman: M. Bohm	
12:25 – 12:40	**Chairman: M. Smolnicki** Krstevska A., Zdraveski F., Gavriloski M., Bogatinoski Z., *Hardness analysis of welded joints of p91 martensitic steel and 12x18h12t stainless steel* - ***ONLINE***	**Committee: R. Dantas, Sz. Duda** 1. Kula K., Denisiewicz A., Socha T., Lopes C., Pedrosa B., Lesiuk G., , Zielonka P., Duda S., Carvalho H., Correia J., *Hybrid frp rebars for rc beams numerical and experimental study*
12:40 – 12:55	Durmus Z., *Composite adhesive to prevent cavitation damage in cylinder liners of locomotive diesel engines* - ***ONLINE***	*2.* Smolnicki M., Analysis of damage in glass and carbon reinforced epoxy composites utilizing acoustic emission
12:55 – 13:10	Doicheva A., *Variation of the shear force from a cantilever beam loaded with a linearly distributed load with intensity at the free end of the beam – part I, symmetrical cross-section* - ***ONLINE***	*3.* Denisiewicz A., Socha T., Kula K., Błażejewski W., Wyjadłowski M., *Simulation-based evaluation of thin-walled beam strength*
13:10 – 13:25	Doicheva A., *Variation of the shear force from a cantilever beam loaded with a linearly distributed load with intensity at the free end of the beam – part ii, asymmetrical cross section* - ***ONLINE***	4. Szust A., *Analysis of the impact of loading modality on the structural integrity of hms type safety connectors*
13:25 – 13:45	Yang S., Meng D., Jesus A.M.D., Yang H., Zhu S.P., *A adaptive kriging-assisted first order reliability method for efficient and accurate reliability analysis* - ***ONLINE***	5. Wybraniec A., *Selection of the spatial structure of a personalized implant to fill a bone defect in the mandible - preliminary studies* 6. Kerkar M.E., *Application of artificial intelligence methods to the analysis of failure problems in reservoir dams* *7.* Szymon Dziuba, Marcin Madeja, Michał Karoluk Patrycja Szymczyk Ziółkowska, Grzegorz Lesiuk

		Analysis of fatigue resistance of titanium alloy produced by Electron Beam Powder Bed Fusion *8.* Alessandra R. M. Schifino, Grzegorz Lesiuk, Grzegorz Ziółkowski, Patrycja Szymczyk-Ziółkowska *Defects Characterization of Additively Manufactured A60601RAM2 Alloy* *9.* Jakub HANSZKE, Maciej ROSZAK, Dariusz PYKA, Krzysztof JAMROZIAK, Miroslaw BOCIAN *Analysis of energy dissipation in multilayer composite structures under extreme conditions*
13:45	**Closing Ceremony**	
14:30	**Lunch Break**	