



Programme

Day	Session	Paper
April 24 Monday	Opening session	
	Key Note 1	„Buried flexible steel structures. Key problems of design code study” A. Madaj
	Key Note 2	„CHBDC buried structures: Challenges in keeping pace with practice and innovation” J. Newhook
	Technical session No. 1: Buried flexible structures, introduction	
	1.1.1	„Express construction of pedestrian underpass using corrugated steel box culvert” A. Agarwal
	1.2.2	„Value engineering of buried flexible steel structures” L. Janusz et al.
	1.3.3	„Aesthetics of buried steel structures present and future” E. Gbiorczyk et al.
	1.4.4	„Steel soil composite bridge: an alternative design solution for shortspan bridge towards sustainability” G. Du et al.
	Technical session No. 2: Projects	
	2.1.5	„Structure in big skew – Gladsaxe case Denmark” P. Tomala et al.
	2.2.6	„Construction of pedestrian crossing under electrified multitrack railway line” M. Woch et al.
	2.3.7	„Extraordinary project – railway tunnel SH16 Birtouta – Sidi Abdallah – Zeralda km 10+700 – 10+880, Algeria” O. Basar et al.
	2.4.8	„Design and Construction of Railway Snowfall Protection Structure on Baku-Tbilisi-Kars Railway Corridor” M. Cirulis et al.
	2.5.9	„UltraCor – 1st realization in Europe, design, erection, testing” C. Machelski et al.
	Technical session No. 3: Corrosion protection, durability, and load rating	
	3.1.10	„Durability of flexible corrugated steel shell structures – theory and practice” A. Wysokowski
	3.2.11	„Examination of remaining zinc coating on old corrugated steel culverts under railway” L. Hansing et al.
	3.3.12	„Cathodic protection for soil-steel bridges” K. Bzdawka
	3.4.13	„Deteriorated steel culvert under static loading” B. Kunecki et al.
	3.5.14	„Structural capacity of existing buried flexible culverts. Swedish design methodology” L. Pettersson et al.
	3.6.15	„Evaluation of load rating procedure for metal culverts under shallow covers” K. White et al.
	Technical session No. 4: Laboratory and field testing	
	4.1.16	„Surface load testing of new circular and elliptical metal culverts at shallow cover” I. Moore et al.
	4.2.17	„Fatigue testing of a bolted connection for buried flexible steel culverts” J. Leander et al.
	4.3.18	„Instrumentation and monitoring of large - span culvert built under a railway in Finland” O. Asp et al.
	4.4.19	„Construction of railway bridges made of flexible structural plates. Live load test” M. Graczyk et al.



Programme

April 25 Tuesday	Technical session No. 5: Applications and development
	5.1.20 „Flanged deep corrugated vertical shaft liners” K.Williams et al.
	5.2.21 „Foundation of flexible steel structures – developmental trends” A.Wysokowski et al.
	5.3.22 „Good practice in construction of flexible soil-steel structures. Well done installations of buried Bridges” P.Tomala et al.
	5.4.23 „Evaluation of the condition of a soil-steel structure based on its deformation” Cz.Machelski et al.
	5.5.24 „The potential of photogrammetric method of measurement dynamic displacement of flexible bridges” I.Wyczatek et al.
	Technical session No. 6: Structural analysis
	6.1.25 „Structural design of flexible culverts development trends” L.Petterson et al.
	6.2.26 „Mechanical behavior of soil-steel structure subjected to live loads and different water conditions” D.Łydźba et al.
	6.3.27 „Recent research on flexible culverts in sloping terrain” A.Wadi et al.
	6.4.28 „Analytical method for designing flexible foundations for soil – steel composite structures” W.Samolewski
	6.5.29 „A soil-steel bridge under high-speed railways” A.Andersson et al.
	6.6.30 „Programming of geometry changes during construction of soil-steel composite bridges” J.B.Michalski
	6.7.31 „Large-span soil-steel composite bridges” A.Wadi et al.