

PROGRAMA CIENTÍFICO

SCIENTIFIC PROGRAMME

II CONFERENCIA EUROPEA DE LA ASOCIACIÓN INTERNACIONAL DE GEOLOGÍA APLICADA A LA INGENIERÍA
II EUROPEAN CONFERENCE OF INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY



EUROENGEO
MADRID 2008

[LA CIUDAD Y SU ENTORNO SUBTERRÁNEO]

THE CITY AND ITS SUBTERRANEAN ENVIRONMENT

15 al 19 SEPTIEMBRE 2008

15 to 19 september 2008

A.E.G.A.I.N.
ASOCIACIÓN ESPAÑOLA DE
GEOLOGÍA APLICADA A LA
INGENIERÍA



I.A.E.G.
INTERNATIONAL
ASSOCIATION FOR
ENGINEERING GEOLOGY
(NATIONAL GROUPS OF
SPAIN, PORTUGAL, FRANCE)

09,00 h.	Entrega de Acreditaciones y documentación Handing over of accreditations and documents	13,30 h.	ALMUERZO LUNCH			
09,30 h.	INAUGURACIÓN OPENING	Acto inaugural con autoridades. Opening act with authorities	15,00 h.	Conferencia HANS KLOOS. Conference HANS KLOOS.		
10,00 h.		Conferencia Inaugural A. Gens. Opening Conference A. Gens	16,00 h.	CAFÉ COFFEE		
11,00 h.	CAFÉ COFFEE	11,30 h.	Conferencia Especial T.5. W. Faquan. Special Conference T.5. W. Faquan.	16,30 h.	S, TÉCNICA TEMA 5 TECHNICAL S, TOPIC 5	PSInSAR™ technique for detecting and monitoring ground deformations in urban areas. Claudia Meisina
11,45h.	S, TÉCNICA TEMA 5 Riesgos geológicos en entornos urbanos TECHNICAL S, TOPIC 5 Geological risks in cities	11,45h.		16,45 h.		The detachment of unstable blocks in the area of the Brzet tunnel (Croatia). Laszlo Podolszki
12,00 h.		12,00 h.		17,00 h.		ENGINEERING GEOLOGICAL AND HYDROGEOLOGICAL PROBLEMS IN THE CONSTRUCTION OF HIGH BUILDINGS AND THE EXECUTION OF DEEP CONSTRUCTION PITS IN SOFIA, BULGARIA. Ivailo Ivanov
12,15 h.		12,15 h.	APPLIED URBAN GEOLOGY AND HYDROGEOLOGY: CASE OF THE PROYECT VILAMOURA XXI (ALGARBE, PORTUGAL). Fernando Rodríguez	17,15 h.		Classification of the territory of the Moscow city under the terms of investment projects, underground space development, validity of cost estimate of underground construction (vs various natural and man-induced factors). Gregory Koff
12,30 h.		12,30 h.	A Web-Based GIS Tool for Managing Geological Hazard Data in Peace River Town, Canada. Lan Hengxing	17,30 h.		Geology effects on underground construction in the city of Vladivostok. Gregory Koff
12,45 h.		12,45 h.	Geo-engineering assessment of liquefaction hazard of the town of Larissa, Central Greece. George Papathanassiou	17,45 h.		DEBATE TEMA 5 DISCUSSION TOPIC 5
13,00 h.		13,00 h.	Assessment of subsurface development conditions at the construction sites of large engineering structures in Moscow. Victor Osipov	18,00 h.		FIN DE LA JORNADA END OF JOURNEY
13,15 h.		13,15 h.	DEBATE TEMA 5 DISCUSSION TOPIC 5			

09,00 h.	<p>Conferencia Especial T.6 R. Oliveira Special Conference T.6. R Oliveira.</p>	12,20 h.	<p>DENSIFICATION OF SOFT FILLS BY MEANS OF DYNAMIC COMPACTION. Caroline Fantin</p>
09,45 h.	<p>The 3D geology of London and the Thames Gateway : a modern approach to geological surveying and its relevance in the urban environment. Jonathan R. Ford</p>	12,30 h.	<p>REINFORCEMENT OF SOFT SOILS WITH CONTROLLED MODULE COLUMN METHOD. Caroline Fantin</p>
10,00 h.	<p>Unlocking the potential of digital 3D geological subsurface models for geotechnical engineers. Alan Keith Turner</p>	12,40 h.	<p>USE OF TIRE DERIVES AGGREGATE IN LANDFILL'S DRAINAGE SYSTEMS. O. García, Teresa Mateos</p>
10,15 h.	<p>How 3D images support geological mapping. Andreas Gaich</p>	12,50 h.	<p>RESULTS AFTER THE CONSTRUCTION OF A ROAD EMBANKMENT WITH TDA. O. García, Teresa Mateos</p>
10,30 h.	<p>Vibration monitoring in two non-standard applications: measuring residual anchor tension and measuring degree of in-situ sand compaction. Rodriaan Spruit</p>	13,00 h.	<p>LARGE LANDSLIDES TRIGGERED BY THE 8.0-MW WENCHUAN EARTHQUAKE ON 12TH MAY 2008, SICHUAN, CHINA. Prof. Huang</p>
10,45h.	<p>THE IMPORTANCE OF TEACHING AND THE INVESTIGATION ON THE TECHNIQUES OF INTERVENTION UNDERGROUND, IN THE NEW CURRICULA OF ENGINEERING OF THE CONSTRUCTION AND ARCHITECTURE. Fernando Da Casa Martín</p>	<p>13,30 h. ALMUERZO LUNCH</p>	
11,00 h.	<p>CAFÉ COFFEE</p>		
11,30 h.	<p>THE DAVID PRICE ENGINEERING GEOLOGY POCKET CARD. Pieter Michiel Maurenbrecher</p>		
11,40 h.	<p>PILES AND MICROPILES AS EXCHANGERS SURFACE GEOTHERMAL ENERGY - CASE STUDY IN MADRID, SPAIN. Javier Sierra Galeano</p>		
11,50 h.	<p>CIUDAD REAL-PUERTOLLANO MOTORWAY PROJECT AND THE INTERURBAN PRESERVATION OF THE CAMPO DE CALATRAVA VOLCANIC COUNTRYSIDE. Ignacio Menendez Pidal De Navascues</p>		
12,00 h.	<p>PROJECT SPECIFIC GEOLOGICAL TRAINING - A NEW TOOL FOR GEOTECHNICAL RISK REMEDIATION. Jacqueline Skipper</p>		
12,10 h.	<p>Abandoned mining mud pits in the vicinity of large cities – safety assessment and protection from failure and erosion – an example from Kirki mines, Evros prefecture, Greece. Constantinos Loupasakis</p>		

S. TÉCNICA TEMA 6 Educación y formación en ingeniería geológica
 2. Vertederos de residuos sólidos próximos a áreas urbanas
 TECHNICAL S. TOPIC 6 Education and training in geological engineering
 2. Solid waste disposal in the vicinity of large Urban developments

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15,10 h.	S, TÉCNICA TEMA 4 Materiales susceptibles de evolución TECHNICAL S, TOPIC 4 Prone to evolution materials	CHEMICAL EFFECTS OF SOFT SOIL STABILISED WITH CEMENT-RICE HUSKS ADMIXTURE: A PRELIMINARY STUDY. Chee-Ming Chan	17,30 h.	S, TÉCNICA TEMA 4 TECHNICAL S, TOPIC 4	PETRO-MECHANICAL STRATIFICATION OF ROCKSALT DEPOSIT OF LESSER HIMLAYA, INDIA. Rajendra Dubey
15,20 h.		A Decision Support Model for Rehabilitation of Infrastructure on Soft Soils. Cissy Lehnen. CANCELADO / CANCELLED	17,40 h.		Developing and progression of mechanical and dynamic properties from a frost threatened Sandstone. Sascha Rühl. CANCELADO / CANCELLED
15,30 h.		Marquee of Railway Platforms in the new station Vialia of the Ave Madrid-Málaga. Carlos Jurado	17,50 h.		Foundation soil deflected mode research on the landslide-prone territories in the range of urban areas. M.V. Kornienko
15,40 h.		Bridges E-2, E-3A, E-3B in the new railroad lav in Spain. Carlos Jurado	18,00 h.		DEBATE TEMA 4 DISCUSSION TOPIC 4
15,50 h.		DEBATE TEMA 4 DISCUSSION TOPIC 4	18,10 h.		FIN DE LA JORNADA END OF JOURNEY
16,00 h.	CAFÉ COFFEE				
16,30 h.	S, TÉCNICA TEMA 4 Materiales susceptibles de evolución TECHNICAL S, TOPIC 4 Prone to evolution materials	IDENTIFICATION AND CLASSIFICATION BELGRADE ALLUVIAL CLAYS ON THE BASIS OF THE CONSISTENCY LIMITS. Zoran Radic			
16,40 h.		Swelling anisotropy of Ankara clay and its relationships with preconsolidation pressure, liquid limit and smectite content. Elif Avsar			
16,50 h.		An Investigation on the Effect of Water Content on Mechanical Properties of the Clay-Bearing Rocks and Suggested Prediction Relationship. Resat Ulusay			
17,00 h.		Continuous compaction control of earth works. Eduardo Santiago Recuerda			
17,10 h.		Study of the closed to total porosity ratio of lightweight expanded clay aggregates by means of Helium pycnometry and Mercury porosimetry. Cristina De Santiago Buey			
17,20 h.	APPROACH TO THE RELATIONSHIP BETWEEN DURABILITY AND PETROLOGICAL CHARACTERISTICS OF WEAK ROCKS. Joan Martinez Bofill				

09,45 h.	S, TÉCNICA TEMA 5 Riesgos geológicos en entornos urbanos TECHNICAL S, TOPIC 5 Geological risks in cities	Engineering geological characterization of soil formations regarding earthquake hazard for the city of Athens. Paul Marinos	13,00 h.	S, TÉCNICA TEMA 5 TECHNICAL S, TOPIC 5	GEOLOGICAL FEATURES OVER THE FLYSCH FACIES AT THE VALLE DE LÓNGUIDA, CANAL DE BERDÚN AND CUENCA DE LUMBIER, NAVARRA, SPAIN AND THE IMPLICATIONS FOR URBAN DEVELOPMENT AND CIVIL ENGINEERING. Ignacio Menendez Pidal
10,00 h.		Improved modelling and communication of urban risks: case studies from the United Kingdom and south-east Asia. Peter Hobbs	13,15 h.		DEBATE TEMA 5 DISCUSSION TOPIC 5
10,15 h.		The seabed liquefaction evaluation induced by wave at Cheng Dao Sea of Yellow River estuary by fuzzy comprehensive method. Jia Yong Gang	13,30 h.	ALMUERZO LUNCH	
10,30 h.		A 3D assessment of urban aquifer vulnerability using geological and buried asset models: a case study from Knowsley Industrial Park, NW England. Prof. Martin Culshaw	15,00 h.	S, TÉCNICA TEMA 5 TECHNICAL S, TOPIC 5	Riesgo geológico de colapsos en áreas urbanas. Analogías con la estabilidad de la cobertera de cavidades kársticas. Métodos de cálculo. José Antonio Mancebo
10,45 h.		DEBATE TEMA 5 DISCUSSION TOPIC 5	15,15 h.		Spatial planning and the use of the underground in the netherlands. Frans Taselaar
11,00 h.	CAFÉ COFFEE		15,30 h.		Practical experience with geological and geotechnical risks in urban areas – insights from case studies. Florian Rauh
11,30 h.	S, TÉCNICA TEMA 5 Riesgos geológicos en entornos urbanos TECHNICAL S, TOPIC 5 Geological risks in cities	THE PALEOSLIDE OF LA GUARDIA, JAEN, SPAIN, AND ITS IMPACT ON THE CITY AND ACCESSES_ N-323 HIGHWAY CONSTRUCTION AND EXPLOITATION. Ignacio Menendez Pidal	15,45 h.		DEBATE TEMA 5 DISCUSSION TOPIC 5
11,45 h.		Reconstruction on the protection wall on the border of Guadalquivir River destroyed as a result of a sliding in Alcala del Rio. Seville (Spain). Carlos Jurado	16,00 h.	CAFÉ COFFEE	
12,00 h.		Estimation of Liquefaction Effects of Erbaa (Turkey) by Using Liquefaction Potential Index. Tamer Topal			
12,15 h.		MAPPING LANDSLIDES FOR THE INSURANCE INDUSTRY – LESSONS FROM EARTHQUAKES. Jeffrey Keaton			
12,30 h.		Movement of the Shuping landslide in the first four years after the initial impoundment of the Three Gorges Dam Reservoir, China. Fawu Wang			
12,45 h.	Probabilistic sinkhole susceptibility and hazard mapping. The case study of the Ebro Valley evaporite karst (NE Spain) Jorge Pedro Galve				

16,30 h.	S, TÉCNICA TEMA 5 Riesgos geológicos en entornos urbanos TECHNICAL S, TOPIC 5 Geological risks in cities	UNLOADING FAILURE OF ROCKMASS INDUCED BY LARGE SCALE EXCAVATION IN SOUTHWESTERN CHIAN. Wu Faquan.
16,45 h.		Site investigation for highway construction projects on soft soils: the use on data integration techniques for better prediction of heterogeneities in the subsurface. William Munsterman
17,00 h.		Impact Of Hydro-geological Conditions On Construction Of Baku Residential Areas. Shahla Kahramanova (Babayeva) CANCELADO / CANCELLED
17,15 h.		LARGE EARTHQUAKE INDUCED LANDSLIDES EN EL SALVADOR: LITHOLOGICAL AND STRUCTURAL CONTROLS. M. Tsigé Aga
17,30 h.		DEBATE TEMA 5 DISCUSSION TOPIC 5
18,00 h.	FIN DE LA JORNADA END OF JOURNEY	

09,00 h.	Conf Esp. T. 1 Prof. Kenichi Soga Conf Esp. T. 1 Prof. Kenichi Soga. MICRO-MEASUREMENT AND MONITORING SYSTEM FOR AGEING UNDERGROUND INFRASTRUCTURES (UNDERGROUND M3)		13,00 h.	Very high performance concrete (more than 100 Mpa) for tunnel lining segments . R. Justa Cámara
09,45 h.	S, TÉCNICA TEMA 1 Nuevas técnicas de construcción de túneles en áreas urbanas TECHNICAL S, TOPIC 1 New methods of tunneling in urban areas		13,15 h.	Comunicación GRUPO SANJOSE
10,00 h.		ESF Project Abstract 2: GEOLOGY OF PRAGUE - ITS INTERACTION WITH METRO	13,30 h.	ALMUERZO LUNCH
10,15 h.		ESF Project Abstract 3: RESULTS OF GEOTECHNICAL CONTROL OF THE PRAGUE METRO AFTER FLOODING IN 2002	15,00 h.	Rock mass characterization of the greywackes of Ankara (Turkey) and stability assessment of circular tunnels within the rock. Resat Ulusay
10,30 h.		ESF Project Abstract 4: MONITORING OF THE PRAGUE METRO TUNNEL LINING	15,15 h.	GIS BASED ASSESSMENT OF EXCAVATION DIFFICULTY OF TBM-EPB ALONG MECIDIYE - TANDOGAN SEGMENT OF THE TANDOGAN - KECIOREN METRO TUNNEL. Vedat Doyuran
10,45h.		ESF Project Abstract 5: ANALYSIS OF MEASURED MOVEMENTS ON AGEING TUNNELS	15,30 h.	Making frontier and geomechanical modulus of tectonical zones of emamzadeh hashem tunnel and stability analysis of zones witch are located in tunnel direction with udec4 software (case study). Yaser Dara
11,00 h.	CAFÉ COFFEE		15,45 h.	THE URBAN TUNNEL OF THE OUDAYAS (RABAT, MOROCCO): THE GEOTECHNICAL MODEL AS A TOOL FOR TUNNELING RISK-CONTROL. Antonio Dematteis
11,30 h.	Conferencia Especial. T.1. Manuel Romana. Special. Conference T.1. Manuel Romana.		16,00 h.	CAFÉ COFFEE
12,00 h.	S, TÉCNICA TEMA 1 TECHNICAL S, TOPIC 1	Alte Mainzer Tunnel, the challenge of rebuilding two 120 years old tunnels. Anna Meyer		
12,15 h.		Predication of ground surface settlement by instrumentation and 3D- numerical modeling. Ehsan Bordbar		
12,30 h.		The interaction between softrock and jettgroutig of horizontal columns-an example from subway construction in Munich. Marcus Scholz		
12,45 h.		The Investigation of high-performance concrete properties for resisting of sulfate attack in tunnels . Asghar Laderian		

16,30 h.	S. TÉCNICA TEMA 1 Nuevas técnicas de construcción de túneles en áreas urbanas TECHNICAL S. TOPIC 1 New methods of tunnelling in urban areas	THE ENGINEERING GEOLOGY OF THE LEE TUNNEL, EAST LONDON, UK. Jacqueline Skipper
16,45 h.		Geotechnical investigations on Pliocene soils of the Gerona Basin (Spain) for underground high-speed railway works. Clemente Saenz
17,00 h.		IN SITU REINFORCEMENT OF COLLAPSING PILLARS IN CALCARENITE MINES USING BIOGROUT. Leon Van Paassen
17,15 h.		TUNNEL COLLAPSE DURING CONSTRUCTION ON SANDSTONE ROCK MASSES. THE CASE OF CASTANHEIRA II TUNNEL. Filipe Telmo Jeremias
17,30 h.		TUNNEL FACE STABILITY ANALYSIS IN URBAN ENVIRONMET. Juan Carlos Guerra Torralbo
17,45h.		Collapses and other instabilities during tunnelling in soil and soft rock. Marcus Scholz
18,00 h.	FIN DE LA JORNADA END OF JOURNEY	

09,00 h.	Conferencia Especial. T.1. J.Trabada (SESIÓN ESPECIAL MINTRA) Special. Conference T.1. J.Trabada (Special Session MINTRA)	12,45 h.	S, TÉCNICA TEMA 1 TECHNICAL S, TOPIC 1	Monitoring and Control Unified System (USAC) R. Talavera
9,45 h.	S, TÉCNICA TEMA 1 Nuevas técnicas de construcción de túneles en áreas urbanas TECHNICAL S, TOPIC 1 New methods of tunneling in urban areas	13,00 h.		The Monitoring System and the Geotechnical Database of Madrid Metro System. F. Díez Rubio
10,00 h.		13,15 h.		
10,15 h.		Design criteria and results of ground improvement in Madrid Metro System. Carlos Oteo	13,30 h.	ALMUERZO LUNCH
10,30 h.			15,00 h.	VISITA TÉCNICA (Línea 11 Metro Madrid) y SESIONES PÓSTER TECHNICAL VISIT (Line 11 Metro Madrid) & POSTER SESSIONS
10,45 h.		TBM machine types in Madrid Metro System construction. Felipe Mendaña	16,00 h.	CAFÉ COFFEE
11,00 h.			16,30 h.	VISITA TÉCNICA (a definir) y SESIONES PÓSTER TECHNICAL VISIT (to be determined) & POSTER SESSIONS
11,15 h.	CAFÉ COFFEE	18,00 h.	FIN DE LA JORNADA END OF JOURNEY	
11,45 h.	S, TÉCNICA TEMA 1 TECHNICAL S, TOPIC 1	11,45 h.	New models of mass transportation in Madrid Metro System. A.González	
12,00 h.				
12,15 h.		Design of stations in Madrid Metro System. J.Alonso		
12,30 h.		Special systems for station building ensuring Metro operation. J.M. Díaz Retana		

09,00 h.	<p>Conferencia Especial T.3 F. da CASA Special Conference T.3. F. da CASA.</p>
09,45 h.	<p>GEOTECHNICAL MODELLING OF THE SUBSOIL OF THE "BAIXA" AREA (LISBON) USING GIS WITH GEOLOGICAL, GEOTECHNICAL, AND ARCHAEOLOGICAL DATA Isabel Almeida.</p>
10,00 h.	<p>GEOLOGIE ET GISEMENTS DE PIERRES DE TAILLES EN ALGERIE Alloul Bélaïd</p>
10,15 h.	<p>3D geological modelling and geotechnical GIS for planning and development: an example from Glasgow. David Christopher Entwisle</p>
10,30 h.	<p>Three-dimensional urban spatial modelling of geotechnical data along aging linear routes in the UK. Helen Reeves</p>
10,45h.	<p>AN EXAMPLE OF APPLICATION OF AN ALTERNATIVE SYSTEM OF GROUND CONTAINMENT: EXCAVATION FOR UNDERGROUND PARKING IN SEVILLE (SPAIN). Fernando Da Casa Martín.</p>
11,00 h.	<p>CAFÉ COFFEE</p>
11,30 h.	<p>EXCAVATIONS IN THE ANCIENT VALLADOLID CITY. EXECUTION AND MONITORING OF THE WORKS L. Prieto.</p>
11,45 h.	<p>HISTORICAL GEOARCHEOLOGICAL AREAS: NUMANCIA, ROMAN-CELTIC IBERIAN CITY (SORIA, ESPAÑA). Ignacio Menendez Pidal De Navascues.</p>
12,00 h.	<p>Preliminary Assessments on the Factors Affecting the Stability of Antique Underground Openings at the Zelve Open Air Museum (Cappadocia, Turkey) Resat Ulusay</p>
12,15 h.	<p>Assessment on the excavation methods using the reliability technology. Sanga Tangchwal</p>
12,30 h.	<p>HELICOIDAL JOINT OF ABSORPTION OF LATERAL EFFORTS IN CORONATION OF TREATMENT OF REINFORCED GROUTING AS ALTERNATIVE SYSTEM OF GROUND CONTAINMENT. PATENTED SOLUTION. Fernando Da Casa Martín</p>

12,45 h.	<p>CLAUSURA - Conf ZILLER CLOSING SESSION - ZILLER Conf</p>
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S. TÉCNICA TEMA 3 Intervención en zonas históricas de las ciudades. Nuevos métodos de excavación, y sostenimiento de bajo impacto
 TECHNICAL S. TOPIC 3 Rehabilitation of historical areas in cities. New low impact methods of excavation and underpinning

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