

**ΚΑΤΑΛΟΓΟΣ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΒΙΒΛΙΩΝ ΠΟΥ ΥΠΑΡΧΟΥΝ ΣΤΗ ΔΙΑΘΕΣΗ  
ΤΟΥ Δ.Π.Μ.Σ. «ΣΧΕΔΙΑΣΜΟΣ ΚΑΙ ΚΑΤΑΣΚΕΥΗ ΥΠΟΓΕΙΩΝ ΕΡΓΩΝ»**

Ενημέρωση έως Δεκέμβριος 2011

A/A	ΣΥΓΓΡΑΦΕΑΣ	ΤΙΤΛΟΣ	ΕΚΔΟΤΗΣ
1	Donald S. Barrie, Boyd C. Paulson	“Professional Construction Management”, 3 <sup>rd</sup> edition	Mc Graw-Hill, Intl. Editions, 1992
2	Perry H. Rahn	“Engineering Geology. An Environmental Approach”, second edition	Prentice Hall PTR
3	John Dunicliff	“Geotechnical Instrumentation for Monitoring Field Performance”	John Wiley & Sons, 1998
4	David K. Todd	“Groundwater Hydrology”, second edition	John Wiley & Sons
5	Richard E. Goodman	“Introduction to Rock Mechanics”, second edition	John Wiley & Sons
6	T.L. Anderson	“Fracture Mechanics, Fundamentals and Applications”, second edition	CRC Press LLC, 1995
7	C.L. Mader	“Numerical Modeling of Explosives and Propellants”, second edition	CRC Press
8	Australian Drilling Industry Training Committee Limited	“DRILLING – The Manual of Methods, Applications and Management”	CRC Lewis Publishers, 1997
9	Coetzee, Hart, Varona, Cundall	“FLAC Basics”	Itasca Consulting Group Inc.
10	Richard E. Gertsch and Richard L. Bullock	“Techniques in Underground Mining”	Society for Mining, Metallurgy and Exploration, Inc. (SME), 1998
11	G. Anderson and B. Roskrow	“Tunnelling – The Channel Tunnel Story”	Chapman & Hall
12	E. Hoek and E.T. Brown	“Underground Excavations in Rock”	E&FN SPON An imprint of Chapman and Hall
13	Singh B. and P. Pal Roy	“Blasting in Ground Excavations and Mines”	A.A. Balkema, 1993
14		“Tunnel Construction”, Proc. 5 <sup>th</sup> Inter., Symp., 1-2 April Munich 1998	A.A. Balkema, 1998
15	M.E. Abdel Salam	“Tunnelling and Ground Conditions”	A.A. Balkema, 1994
16	Arsenio Negro Jr and A.A. Ferreira	“Tunnels and Metropolises”, Vol. 1 and 2	A.A. Balkema Publishers, 1998
17	P.W. Cooper and Stanley R. Kurowski	“Introduction to the Technology of Explosives”	John Wiley & Sons
18	C.R.I. Clayton, J. Milititsky and R.I. Woods	“Earth Pressure and Earth – Retaining Structures”, 2 <sup>th</sup> edition	Blackie Academic and Professional, An imprint of Chapman and Hall, 1993
19	Maidl B.	“Handbuch des Tunnel und Stollen Baus”, Band I and II	Verlag Gluckauf
20	Ray W. Clough and Joseph Penzien	“Dynamics of Structures”, second edition	Mc Graw – Hill, Inc.
21	Γ. Γκαζέτας	«Εδαφοδυναμική και Σεισμική Μηχανική»	Εκδόσεις Συμείων, 1996
22	International Society of Explosives Engineers (ISEE)	Blasters’ Handbook, 17 <sup>th</sup> edition	International Society of Explosives Engineers (ISEE)
23	Hans – Peter Rossmannith	“Mechanics of Jointed and Faulted Rock”	A.A. Balkema, 1995
24	E. Hoek, P.K. Kaiser and W.F.	“Support of Underground Excavations in	A.A. Balkema

	Bawden	Hard Rock”	
25	U.M. Rao Karanam and B. Misra	“Principles of Rock Drilling”, December 1998	
26	G.P.T.M. Van Santvoort	“Geotextiles and Geomembranes in Civil Engineering”	A.A. Balkema, 1994
27	R.F. Azevedo, E.A. Vargas, L.R. Sousa and M.M. Fernandes	“Applications of Computational Mechanics in Geotechnical Engineering”	A.A. Balkema, 1997
28	E.G. Baranov, A.T. Vedin, I.F. Bondarenko	“Mining and Industrial Applications of Low-density Explosives”	A.A. Balkema, 1996
29	V.A. Borovikov, I.F. Vanyagin	“Modelling the Effects of Blasting on Rock Breakage”	A.A. Balkema, 1995
30	Hans-Peter Rossmannith	“Rock Fragmentation by Blasting – Fragblast – 4”, Vienna 1993	A.A. Balkema, 1993
31	J. Franklin, T. Katsabanis	“Measurement of Blast Fragmentation”	A.A. Balkema, 1996
32	W. Hustrulid, M. Kuchta	“Open Pit Mine Planning and Design”, Vol. 1 and 2	A.A. Balkema, 1998
33	C.V.J. Varma and A.R.G. Rao	“Tunnelling Asia ‘97”	A.A. Balkema, 1997
34	Harald Wagner, A. Schultze	“Tunnel Boring Machines – Trends in Design and Construction of Mechanized Tunnelling”	A.A. Balkema, 1996
35	Χαραλ. Εφραιμίδης	«Δομικές Μηχανές»	Εκδόσεις Χαρ. Εφραιμίδης, 1998
36	Χαραλ. Εφραιμίδης	«Χρονικός και Οικονομικός Προγραμματισμός των Κατασκευών»	Εκδόσεις Συμμετρία
37	Donald P. Coduto	“Geotechnical Engineering – Principles and Practices”	Prentice Hall
38	S.K. Sarkar	“Ground Control in Mining”	A.A. Balkema
39	B. Amadei, R.L. Kranz, G.A. Scott and P.H. Smeallie	“Rock Mechanics for Industry”, May 1999, Vol. 1 and 2,	A.A. Balkema
40	T. Alten, L. Backer, P. Bollingmo , E. Broch, K. Holmoy, K. Holter and K. Nielsen	“Challenges for the 21 <sup>th</sup> Century”	A.A. Balkema, 1999
41	Richard E. Goodman	“Engineering Geology – Rock in Engineering Construction”	John Wiley & Sons, INC.
42	R.W. Lewis, B.A. Schrefler	“The Finite Element Method in the Static and Dynamic Deformation and Consolidation of Porous Media”, 2 edit.	John Wiley, 1998
43	Z.T. Bieniawski	“Engineering Rock Mass Classifications”	John Wiley
44	A.V. Shroff, D.L. Shah	“Grouting Technology in Tunnelling and Dam Construction”, 2 <sup>th</sup> edition, August 1999	A.A. Balkema
45	P. Seco e Pinto	“Earthquake Geotechnical Engineering”, Vol. 1 and 2	A.A. Balkema, 1999
46	Raj K. Singhal	“Mine Planning and Equipment Selection ‘98”	A.A. Balkema, 1998
47	W. Stumm	“Aquatic Chemical Kinetics. Reactions Rates of Processes in Natural Waters”	John Wiley
48	Harry M. Freeman	“Standard Handbook of Hazardous Waste Treatment and Disposal”, second edition	Mc – Graw Hill
49	R.D. Lama and V.S. Vutukuri	“Handbook on Mechanical Properties of Rocks”, Vol. I, II, III, IV	Trans Tech Publications (TTP)
50	John M. Reynolds	“An Introduction to Applied and Environmental Geophysics”	John Wiley
51	K. Terzaghi, R.B. Peck, G. Mesri	“Soil Mechanics in Engineering Practice”,	John Wiley, 1996

		third edition	
52	Rasin Tek	“Natural Gas Underground Storage. Inventory and Deliverability”	Penn Well, 1997
53	D.R. Carder and P. Darley	“The Long Term Performance of Embedded Retaining Walls”	Thomas Telford, TRL Report 381, 1998
54	BTS and ICE	“Model Specification for Tunnelling”, 1997 paperbound	Thomas Telford, 1997
55	Herbert L. Nichols Jr., David A., Day P.E.	“Moving the Earth. The Workbook of Excavation”, fourth edition	Mc-Graw Hill
56	N. Παπαχαρίσης, N. Μάνου – Ανδρέαδη, Ι. Γραμματικόπουλος	«Γεωτεχνική – Μηχανική»	Αδελφών Κυριακίδη Α.Ε.
57		Proceedings 3 <sup>rd</sup> Hellenic Conference on Geotechnical Engineering (Πρακτικά 3 <sup>ου</sup> Πανελληνίου Συνεδρίου Γεωτεχνικής Μηχανικής, Πάτρα 20-22 Μαρτίου 1997, τόμος 1,2)	
58	Cheng Liu, Jack B. Evett	“Soil Properties. Testing, Measurement and Evaluation”, fourth edition	Prentice Hall
59	Lambe, Whitman	“Soil Mechanics”	John Wiley
60	S.E. Dickenson, W.L. Schroeder	“Soils in Construction”	Prentice Hall
61	Fred G. Bell	“Engineering Properties of Soils and Rocks”	Blackwell Sciences
62	B. Προφυλλίδης	«Γεωφάσματα. Μηχανική και Υδραυλική Συμπεριφορά – Εφαρμογές»	Γαρταγάνη, Θεσσαλονίκη 1985
63	W.F. Chen	“The Civil Engineering Handbook”	CRC Press
64		“Getting to Know ArcView GIS”	ESRI PRESS
65	Dietmar Rudolph	“Εγχειρίδιο Προγραμματισμού AutoCAD 2000 Objects”	Μ. Γκιούρδας
66	David Frey	“AutoCAD 2000, Βήμα προς Βήμα»	Μ. Γκιούρδας
67	Joe Sutphin	“AutoCAD 2000 VBA”	Wrox Press Ltd.
68	Susan Sales Harkins, Ken Hansen, MCSD and Tom Gerhart	“Microsoft ACCESS 2000, Βήμα προς Βήμα»	Β. Γκιούρδας
69	Julia Kelly	“Microsoft EXCEL 2000, Βήμα προς Βήμα»	Β. Γκιούρδας
70	Δ. Πολυχρονοπούλου	«Το πρώτο βιβλίο του WORD 1997”	Εκδόσεις Νέων Τεχνολογιών
71	Tim Pyron	“Microsoft Project 98 in 24 hours”	SAMS
72	Adrian Biran and Moshe Breiner	“MATLAB 5 για μηχανικούς»	TZIOΛΑ, Θεσσαλονίκη
73	Delores M. Etter	“Engineering Problem Solving with Matlab”, second edition	Prentice Hall
74	P.G. Marinos, G.C. Koukis	“The Engineering Geology of Ancient Works, Monuments and Historical Sites”, Vol. 1,2,3,4	A.A. Balkema
75	M.S.J. Gani	“Cement and Concrete”	Chapman and Hall
76	S.P. Timoshenko, D.H. Young	“Elements of Strength of Materials”, 5 <sup>th</sup> edition	An east-west edition
77	D. Venkat, Reddy	“Engineering Geology for Civil Engineers”	Oxford and IBH
78	S.P. Timoshenko, James M. Gere	“Theory of Elastic Stability”, second edition	McGraw – Hill

79	Noel Simons, Bruce Menzies and Marcus Matthews	“A Short Course in Foundation Engineering”, second edition, June 2000	
80	A.S. Elnashai and S. Antonion	“Implications of Recent Earthquakes on Seismic Risk”	
81	Alex Maltman	“Geological Maps: an introduction”	John Wiley & Sons
82	James S. Monroe, Reed Wicander	“Physical Geology”	
83	Joseph E. Bowles	“Foundation Analysis and Design”	
84	Steven L. Kramer	“Geotechnical Earthquake Engineering”	
85	John O Bickel, Thomas R. Kuesel, Elwyn H. King	“Tunnel Engineering Handbook”	A. Chapman et Hall
86	Brian J. Skinner and Stephen C. Porter	“The Dynamic Earth”	
87	MJ Tomlinson	“Foundation Design and Construction”, 6 <sup>th</sup> edition	LongMan
88	Duncan C. Wyllie	“Foundations on Rock”	
89	Robert W. Day	“Geotechnical Engineer’s Portable Handbook”	
90		“Active Tectonics: earthquakes, uplift and landscape”	
91	Basil Papazachos, C. Papazachou	“The Earthquakes of Greece”	
92	I.M. Smith, D.V. Griffiths	“Programming the Finite Element Method”	
93	Milton E. Harr	“Groundwater and Seepage”	
94	R.F. Craig	“Soil Mechanics”, sixth edition	E&FN SPON
95	Anil K. Chopra	“Dynamics of Structures”	
96	Shamsher Prakash	“Analysis and Design of Retaining Structures Against Earthquakes”	
97	Klaus – Jurgen Bathe	“Finite Element Procedures”	
98	E. Hoek and J.W. Bray	“Rock Slope Engineering”, 3 <sup>rd</sup> ed. London	Institution of Mining and Metallurgy
99	Braja M. Das	“Advanced Soil Mechanics”	
100	Γ.Χ. Κατσικάτσος	«Γεωλογία της Ελλάδας»	
101	Άκης Τσελέντης	«Σύγχρονη Σεισμολογία», Β’ Τόμος	Παπασωτηρίου, Αθήνα 1997
102	Braja M. Das	“Principles of Foundation Engineering”	
103	American Society of Civil Engineers	“Geophysical Exploration for Engineering and Environmental Investigations”	Technical engineering and design guides as adapted from the U.S. Army Corps of Engineers
104	Robert S. Yeats, Kerry Sieh, Clarence R. Allen	“The Geology of Earthquakes”	
105	Christine Detournay, Roger Hart	“FLAC and Numerical Modeling in Geomechanics”	
106	D. Kolymbas	“Introduction to Hypoplasticity”	
107	W.F. Chen and E. Mizuno	“Non-linear Analysis in Soil Mechanics – Theory and Implementation”	Elsevier
108		“STATISTICA Software”	Student edition
109	Norman D. Dennis, Jr.	“Educational Issues in Geotechnical Engineering”	
110		“Computer Simulation of Earthquake Effects”	
111		“Soil Dynamics and Liquefaction 2000”	
112	Muni Budhu	“Soil Mechanics and Foundations”	

113	Barla G.	“Proceedings ISRM International Conference” 2-5 September 1996 EUROCK '96 – Torino, Italy, 3 Vols	
114	Item Code 41957 BS 6187:1982	“Code of Practice for Demolition”	British Standards Institution
115	Item Code 1570012 BS 5607:1998	“Code of Practice for the Safe Use of Explosives in the Construction Industry”	British Standards Institution
116	Raymond W. Henn	“Practical Guide to Grouting of Underground Structures”	Thomas Telford, ASCE Press
117	Muir Wood A.	“Tunnelling, Management by Design”	ASCE Press
118	Holmberg Roger	“Explosives and Blasting Technique”	A.A. Balkema
119		MDG 1010: “Risk Management Handbook for the Mining Industry”	
120		MDG 1014: “Guide to Reviewing a Risk Assessment of Mine Equipment and Operations”	
121		“Proceedings of the Twenty – seventh Annual Conference on Explosives and Blasting Technique”, January 28-31, 2001 Orlando, Florida U.S.A., Vol. I, II	International Society of Explosives Engineers (ISEE)
122	B.N. Γεωργιάννου	«Χρήση Γεωτεχνικών Οργάνων – Οργανομετρήσεις»	Γρ. Παρισσιανός
123	Hsai – Yang Fang	“Introduction to Environmental Geotechnology”	CRC PRESS
124	B. Mohanty	“Rock Fragmentation by Blasting - Fragblast – 5”, Montreal 1996	A.A. Balkema
125		“International Conference Instrumental Methods of Analysis Modern Trends and Applications”, 19-22 September 1999, Chalkidiki, Greece, Vol. I, II, IMA '99	
126	A. Σπανός	«Ολική Ποιότητα»	Εκδόσεις Γαλαίος
127	Θ.Ν. Σκουλικίδης	«Διάβρωση και Συντήρηση των Δομικών Υλικών των Μνημείων»	Πανεπιστημιακές Εκδόσεις Κρήτης
128		«Εξάγλωσσο Λεξικό Γεωτεχνικών και Μεταλλευτικών Όρων», Α & Β Τόμος	T.E.E. 1993
129	Χαραλ. Τσουτρέλης	“Μηχανική της Κρουστικής Διάτρησης των Πετρωμάτων», Αθήνα 1999	
130		“Υπολογισμός Συμμεκτων Κατασκευών με τον Ευρωκώδικα 4»	Fountas
131	A. Scott, A. Cocker, N. Djordjevic, M. Higgins, D. La Rosa, K.S. Sarma, R. Wedmaier	“Open Pit Blast Design” Analysis and Optimisation	Published by: Julius Kruttschnitt Mineral Research Centre, 1996
132	Lewis L. Oriard	“The Effects of Vibrations and Environmental Forces”, A guide for the Investigation of Structures	International Society of Explosives Engineers, 1999
133	David E. Siskind, Ph.D.	“Vibrations from Blasting”	International Society of Explosives Engineers, 2000
134	Charles A. Kliche	“Rock Slope Stability”	Published by the Society for Mining, Metallurgy and Exploration, Inc.,

			1999
135	Robert B. Hopler	“Explosives 100 Years Ago more or less”	International Society of Explosives Engineers, 2001
136	Albert E. Teller	“Blasting Techniques:1,2,3”	Published by Explosives Services Corporation
137		“BLASTER’S GUIDE”, second edition	Precision Blasting Services, Inc., 1992-2001
138	David E. Siskind, Mark S. Stagg, John E. Wiegand, David L. Schulz	Report of Investigations (RI) 9523 – “Surface Mine Blasting Near Pressurized Transmission Pipelines”	United States Department of the Interior, Bureau of Mines
139	J.B. Burland, J.R. Standing, F.M. Jardine	“Building Response to Tunnelling”, Volume 1: Projects and Methods	Thomas Telford
140	BTS and ICE	“Specification for Tunnelling”	Thomas Telford, London 2000
141	Χαραλ. Τσουτρέλης	«Εκρηκτικές Ύλες και Τεχνική των Ανατινάξεων», τόμος 2 <sup>ος</sup>	Αθήνα 2001
142	Noel Simons, Bruce Menzies & Marcus Matthews	“A short course in Soil and Rock Slope Engineering”	Thomas Telford, 2001
143	K.J. Bakker	“Soil Retaining Structures” – Development of Models for Structural Analysis	A.A. Balkema, 2000
144	Harry Schnabel	“Tiebacks in Foundation Engineering and Construction”, Second Edition	A.A. Balkema
145	Braja M. Das	“Principles of Geotechnical Engineering” – fifth edition	Brooks/Cole Thomson Learning
146	Noel Simons, Bruce Menzies & Marcus Matthews	“A short course in Geotechnical Site Investigation”	Thomas Telford
147	Soheil Nazarian and John Diehl	“Use of Geophysical Methods in Construction”	ASCE
148		“Proceedings of the Twenty-eighth Annual Conference on Explosives and Blasting Technique” – February 10-13, 2002 Las Vegas, Nevada U.S.A., Vol. I, II	ISEE
<b>ΑΓΟΡΕΣ ΑΠΟ ΠΟΡΟΥΣ ΚΛΗΡΟΔΟΤΗΜΑΤΩΝ</b>			
1	Gabriel Fernandez and Robert A. Bauer	“Geo-Engineering for Underground Facilities”	ASCE
2	A.L. Bell	“Grouting in the ground”	Thomas Telford
3	D.T. Bergado, J.C. Chai, M.C. Alfaro & A.S. Balasubramaniam	“Improvement Techniques of Soft Ground in Subsiding and Lowland Environment”	A.A. Balkema
4	J.F. Labuz, S.D. Glaser and E. Dawson	“Trends in Rock Mechanics”	ASCE
5	Daniel J. Tearpock, Richard E. Bischke	“Applied Subsurface Geological Mapping” – 2 <sup>nd</sup> Edition	Prentice Hall PTR
6	Raymond W. Henn	“Practical Guide to Grouting of Underground Structures”	Thomas Telford
7	Ankarabouina Apparao	“Developments in Geoelectrical Methods”	A.A. Balkema
8	Randall J. Essex	“Geotechnical Baseline Reports for Underground Construction”	ASCE
9	Braja M. Das	“Principles of Geotechnical Engineering” Fifth Edition	Brooks / Cole Thomson Learning

10	John P. Harrison and John A. Hudson FREng	“Engineering Rock Mechanics”, Part 2: Illustrative Worked Examples	Pergamon
11	Cedric E. Gregory	“A Concise History of Mining”, (Revised Edition)	A.A. Balkema
12	Stephen Emmitt και Christopher Gorse	“Construction Communication”	Blackwell Publishing
13	John Kelly Steven Male & Drummond Graham	“Value Management of Construction Projects”	Blackwell Publishing
14	Clive Thomas Cain	“Performance Measurement for Construction Profitability”	Blackwell Publishing
15	Technical Engineering and Design Guides as Adapted from the US Army Corps of Engineers, No. 16	“Rock Foundations”	ASCE Press
16	G.C. Mays and P.D. Smith	“Blast Effects on Buildings”	Thomas Telford
17	R. Frank, C. Bauduin, R. Driscoll, M. Kavvas, N. Krebs Ovesen, T. Orr and B. Schuppener	“Designers’ Guide to en 1997-1. Eurocode 7: Geotechnical Design – General Rules	Thomas Telford
18	B. H. G. Brady and E.T. Brown	“Rock Mechanics for Underground Mining” (Third Edition)	Springer
19	D. Kolymbas	“Tunnelling and Tunnel Mechanics” – A Rational Approach to Tunnelling	Springer
<b>ΑΓΟΡΕΣ ΑΠΟ ΤΟΝ ΤΑΚΤΙΚΟ ΠΡΟΫΠΟΛΟΓΙΣΜΟ ΤΟΥ Ε.Μ.Π. (23.000 €) – 1<sup>η</sup> χρονιά</b>			
1	Braja M. Das	“Soil Mechanics. Laboratory Manual”, sixth edition	Oxford University Press 2002
2	Braja M. Das	“Principles of Geotechnical Engineering”, fifth edition	Brooks/Cole
3	C. W. Fetter	“Applied Hydrogeology”, fourth edition	Prentice Hall
4	Joseph E. Bowles	«ΘΕΜΕΛΙΩΣΕΙΣ. Υπολογισμός και Κατασκευή», τόμος 1	Fountas
5	Duncan C. Wyllie & Christopher W. Mah	“Rock Slope Engineering – Civil and Mining”, 4 <sup>th</sup> edition	Spon Press
6	Ken McClay	“The Mapping of Geological Structures”	Wiley
7	George E. Harlow & Joseph J. Peters	“Minerals and Gems”	American Museum of Natural History
8	Karl Terzaghi, Ralph B. Peck, Gholamreza Mesri	“Soil Mechanics in Engineering Practice”, third edition	John Wiley & Sons, Inc.
9	BTS (The British Tunnelling Society) and The Institution of Civil Engineers	“Specification for Tunnelling”	Thomas Telford
10	Chernicoff Whitney	“Geology”, third edition	Houghton Mifflin
11	F. G. Bell	“Engineering Geology and Construction”	Spon Press
12		“Geotechnical Engineering Handbook”, vol. 2: Procedures	Ernst & Sohn, A Wiley Company
13	Rick Brassington	“Field Hydrogeology”, second edition	Wiley
14		«Χάρτης Υπογείων Υδάτων των Αθηνών»	
15		«Γεωλογικός Χάρτης της Πόλεως των Αθηνών»	
<b>ΑΓΟΡΕΣ ΑΠΟ ΤΟΝ ΤΑΚΤΙΚΟ ΠΡΟΫΠΟΛΟΓΙΣΜΟ ΤΟΥ Ε.Μ.Π. (23.000 €) – 2<sup>η</sup> χρονιά</b>			
1	G.S. Littlejohn	“Ground anchorages and anchored structures”	Thomas Telford

2	Malcolm Puller	“Deep Excavations. A practical manual”	Thomas Telford
3	BTS (The British Tunnelling Society)	“Tunnel Lining Design Guide”	Thomas Telford
4	D.B. Parkes MA CEng FICE	“The Performance of Tunnel – Boring Machines in Rock”	CIRIA