

ICADD-10 Program (2011.12.5 - 2011.12.8)

2011.12.5

Time		Activity	
18.00	19.00		Registration
19.00	21.00		Reception

2011.12.6

Time		Category	Paper ID	Activity / Presentation Title	Presenter
8.15	8.45			Registration	
8.45	9.00			Opening	
9.00	9.40	Keynote	1-01	Rock block stability analysis of slopes and underground power houses	G.H. Shi
9.40	10.20	Keynote	1-02	Recent developments and future trends in distinct element methods - UDEC/3DEC and PFC codes	J.V. Lemos
10.20	10.50			Break	
10.50	11.30	Keynote	1-04	Complete and high order polynomial displacement approximation and its application to elastic mechanics analysis based on DDA	A.Q. Wu
11.30	11.45	DDA	2-12	Development of graphic user interface for discontinues deformation analysis (DDA)	G.F. Zhao
11.45	12.00	DDA	2-13	On the implementation of augmented lagrangian method in the 2D discontinuous deformation analysis	Z.Y. Zhao
12.00	13.30			Lunch	
13.30	13.45	DDA	2-01	New contact resolution algorithm using two-stage contact definition and rounding scheme in 3D DDA	T.Y. Ahn
13.45	14.00	DDA	2-03	Numerical simulation of landslide turning into debris flows using discontinuous deformation analysis Method	B. Hu
14.00	14.15	DDA	2-04	DDA simulations for slope failure/collapse experiment caused by torrential rainfall	T. Koyama
14.15	14.30	DDA	2-11	Masonry retaining wall under static load using discontinuous deformation analysis	J.Q. Tian
14.30	14.45	KB	3-03	Stability analysis of determined blocks In the underground powerhouse of guandi hydropower Station	B. Lu
14.45	15.00	KB	3-04	Modeling method for complex key block based on nef polyhedra	J. Xue
15.00	15.30			Break	
15.30	15.45	DDA	2-09	Studies on rock fall problems by three dimensional discontinuous deformation analysis	T. Sasaki
15.45	16.00	DDA	2-02	Coupling fluid flow with discontinuous deformation analysis	Y. Ben
16.00	16.15	DDA	2-08	Nonreflecting boundaries for the discontinuous deformation analysis	Y.J. Ning
16.15	16.30	DDA	2-05	Using natural-neighbor-interpolation-based DDA method for elasto-plastic analysis of discrete block system	Y.Z. Ma
16.30	16.45	NMM	4-02	Study for reinforcement planning of masonry structure with cracks at bayon main tower, angkor	M. Hayashi
16.45	17.00	DDA	2-14	The method of slope modelling for rockfall analysis using 3D DDA	G. Chen
17.00	17.15	KB	3-01	Generation of three-dimensional rock mass geometrical model	G.W. Ma
17.15	17.30	DDA	2-06	A numerical study of the significance of joint roughness in discontinuum modelling	A. Mortazavi
17.30	17.45	KB	3-02	An efficient block detection algorithm in 3D-DDA	A. Jafari

2011.12.7

Time		Category	Paper ID	Activity / Presentation Title	Presenter
8.30	9.10	Keynote	1-06	Immersed boundary based fluid coupling in mechanics of discontinua	A. Munjiza
9.10	9.50	Keynote	1-07	Toward a realistic rock mass numerical model	G.W. Ma
9.50	10.30	Invited		Crack branching mechanism of quasi-brittle materials under dynamic stress	C.A. Tang
10.30	11.00			Break	
11.00	11.15	NMM	4-06	Simulation of seepage in porous medium by numerical manifold method	Y. Wang
11.15	11.30	NMM	4-07	Research on 3 dimension manifold method and its application	Y. Wu
11.30	11.45	NMM	4-03	Accelerating contact detection using spatial hashing for numerical manifold method	Q. Miao
11.45	12.00	NMM	4-05	An introduction of particle manifold method (PMM)	J. Zhao
12.00	13.30			Lunch	
13.30	13.45	DEM	5-03	A numerical study on shear characteristics of jointed rock under thermo-mechanical coupled condition	T. Kim
13.45	14.00	DEM	5-09	Simulation of progressive failure in slope using distinct element method with the gravity increased procedure	T. Nishimura
14.00	14.15	FEM	6-02	An analytical study about dynamic failure mechanism of anchor bolts embedded in concrete	S. Munemoto
14.15	14.30	DEM	5-11	Investigate water flowing in fractured strata over a gob zone	Z. Yang
14.30	14.45	DEM	5-02	A study on hole-cutting in deep tunneling	S. Chen
14.45	15.00	DDA	2-07	History of road construction with discontinuous analysis in Japan	T. Nakai
15.00	15.30			Break	
15.30	15.45	FEM	6-05	Moisture and heat transfer characteristics of the pavement with water retention base course	E. Tomotsugu
15.45	16.00	DEM	5-04	PFC numerical simulation of particle breakage of the clay core rock-fill dam	F.H. Liu
16.00	16.15	FEM	6-07	On accuracy of solution for explicit and implicit dynamic formulation with hybrid-type penalty method	T. Yagi
16.15	16.30	FEM	6-03	Computational coupling methods of dynamic problems with different discrete Idealizations	S. Maeda
16.30	16.45	DEM	5-10	Stability analysis and reinforcement evaluation of the left bank slope in jinping I hydropower station	G. Rong
16.45	17.00	DEM	5-01	A numerical study of goaf stability under a desert expressway	S. Chen
17.00	17.15	DEM	5-07	A numerical analysis of the effect of rock bridges on wave propagation	A. Mortazavi
17.15	17.30	DEM	5-12	Reliability assessment of ultimate and serviceability limit states of underground rock caverns	W.G. Zhang
17.30	17.45	DEM	5-08	Continuum and discontinuum analysis of large shallow rock caverns	V. Nasri
19.00	21.00			Banquet	

2011.12.8

Time		Category	Paper ID	Activity / Presentation Title	Presenter
8.30	9.10	Keynote	1-03	Application of DDA and NMM to practical problems in recent new insight	Y. Ohnishi
9.10	9.50	Keynote	1-08	DDARF - a simple solution for simulating rock fragmentation	Y.Y. Jiao
9.50	10.30	Keynote	1-05	Discontinuum based micromechanics modelling methods	G.F. Zhao
10.30	11.00			Break	
11.00	12.20			General Discussion	
12.20	12.30			Closing	
12.30	13.30			Lunch	
14.00	18.00			Site visit	