

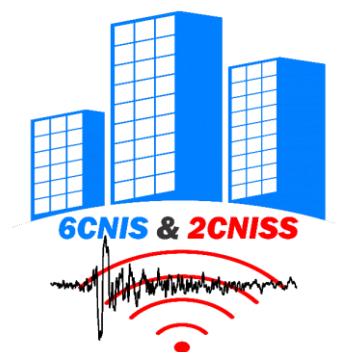


*6th National Conference on Earthquake Engineering
&
2nd National Conference on Earthquake Engineering and Seismology*

PROGRAM AT A GLANCE

Wednesday June 14, 2017		
13:00 – 14:00	Registration of participants	
14:00 – 15:00	Opening ceremony	
15:00 – 15:45	Keynote lecture 1 – Kyriazis Pitilakis	
15:45 – 16:30	Keynote lecture 2 – Radu Vacareanu	
16:30 – 17:00	Coffee break	
17:00 – 17:45	Keynote lecture 3 – Dan Dubina	
17:45 – 18:30	Keynote lecture 4 – Mircea Radulian	
18:30 – 20:30	Welcome cocktail	

Location: Romanian Academy, Calea Victoriei 125, Sector 1, Bucharest



6th National Conference on Earthquake Engineering
&
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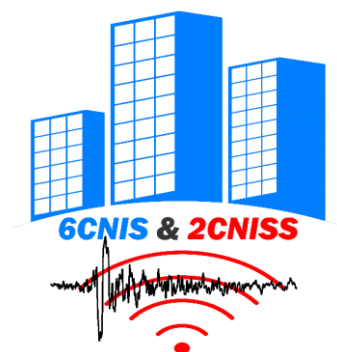
Thursday June 15, 2017		
8:00 – 9:00	Registration of participants	Hall I.2, FCCIA/UTCB
9:00 – 9:45	Keynote lecture 5 – <i>Sierd Cloetingh</i>	Hall I.2, FCCIA/UTCB
9:45 – 10:30	Keynote lecture 6 – <i>Iunio Iervolino</i>	Hall I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room P1B, FCCIA/UTCB
11:00 – 12:45	Parallel Session 1 – Seismicity of Romania <i>Invited lecture – Gheorghe Marmureanu</i>	Hall I.1, FCCIA/UTCB
	Parallel Session 2 – Seismic risk evaluation and management of emergency situations <i>Invited lecture – Taiki Saito</i>	Hall I.2, FCCIA/UTCB
	Round Table – P100-3/2008 Round Table	Hall I.4, FCCIA/UTCB
12:45 – 13:45	Lunch break	Room P1B, FCCIA/UTCB
13:45 – 14:30	A word from sponsors	Hall I.2, FCCIA/UTCB
14:30 – 15:15	Keynote lecture 7 – <i>Mauro Dolce</i>	Hall I.2, FCCIA/UTCB
15:15 – 17:00	Parallel Session 3 – Geotechnical Earthquake Engineering <i>Invited lecture - Dan Balteanu</i>	Hall I.1, FCCIA/UTCB
	Parallel Session 4 – Workshop “RO-RISK – Disaster risk assessment at national level” <i>Invited lecture - Alex Barbat</i>	Hall I.2, FCCIA/UTCB
	Round Table – Resilience-based assessment of structures	Hall I.4, FCCIA/UTCB
17:00 – 17:30	Coffee break	Room P1B, FCCIA/UTCB
17:30 – 19:00	Parallel Session 5 – Innovative solutions for seismic protection of building structures <i>Invited lecture - Alper Ilki</i>	Hall I.1, FCCIA/UTCB
17:30 – 19:00	Parallel Session 6 – Seismic risk evaluation	Hall I.2, FCCIA/UTCB

	and management of emergency situations <i>Invited lecture - Emil-Sever Georgescu</i>	
20:30 – 23:00	Gala dinner	

Location: FCCIA/UTCB, Bd. Lacul Tei nr. 124, Sector 2, Bucharest

Hall I.1, Hall I.2 and Room I.4 located at 1st floor

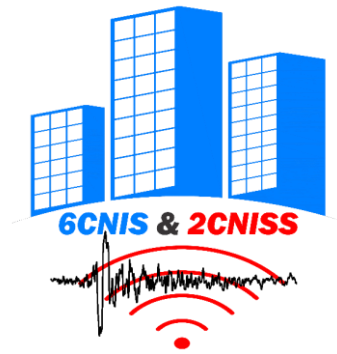
Room P1B located at ground floor



*6th National Conference on Earthquake Engineering
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Friday June 16, 2017		
9:00 – 9:45	Keynote lecture 8 – <i>Alik Ismail-Zadeh</i>	Hall I.2, FCCIA/UTCB
9:45 – 10:30	Keynote lecture 9 – <i>Humberto Varum</i>	Hall I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room P1B, FCCIA/UTCB
11:00 – 13:00	Parallel Session 7 – Seismicity of Romania <i>Invited lecture - John Douglas</i>	Hall I.1, FCCIA/UTCB
	Parallel Session 8 – Seismic design and assessment <i>Invited lecture - Matsutaro Seki</i>	Hall I.2, FCCIA/UTCB
	Round Table – Quick post-earthquake evaluation of buildings	Hall I.4, FCCIA/UTCB
13:00 – 14:00	Lunch break	Room P1B, FCCIA/UTCB
14:00 – 14:45	Keynote lecture 10 – <i>Roberto Paolucci</i>	Hall I.2, FCCIA/UTCB
14:45 – 15:30	Keynote lecture 11 – <i>Koichi Kusunoki</i>	Hall I.2, FCCIA/UTCB
15:30 – 17:00	Parallel Session 9 – Seismic design and assessment <i>Invited lecture - Masaki Maeda</i>	Hall I.1, FCCIA/UTCB
	Parallel Session 10 – Seismic design and assessment <i>Invited lecture – Viorel Popa</i>	Hall I.2, FCCIA/UTCB
17:00 – 17:30	Coffee break	Room P1B, FCCIA/UTCB
17:30 – 18:15	Parallel Session 11 – Seismicity of Romania	Hall I.1, FCCIA/UTCB
	Parallel Session 12 – Seismic design and assessment	Hall I.2, FCCIA/UTCB
18:15 – 18:45	Closing ceremony	Hall I.2, FCCIA/UTCB

Location: FCCIA/UTCB, Bd. Lacul Tei nr. 124, Sector 2, Bucharest
Hall I.1, Hall I.2 and Room I.4 located at 1st floor
Room P1B located at ground floor



*6th National Conference on Earthquake Engineering
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DETAILED PROGRAM

Wednesday June 14, 2017		
13:00 – 14:00	Registration of participants	
14:00 – 15:00	Opening ceremony	
15:00 – 15:40	Keynote lecture 1 – Kyriazis Pitilakis Site classification and definition of seismic actions in the revision of EC8	
15:45 – 16:30	Keynote lecture 2 – Radu Vacareanu Outcomes of seismic risk assessment for Romanian buildings and a roadmap for resilience	
16:30 – 17:00	Coffee break	
17:00 – 17:45	Keynote lecture 3 – Dan Dubina Design assisted by testing of seismic resistant steel structures	
17:45 – 18:30	Keynote lecture 4 – Mircea Radulian Vrancea source investigation: milestones since 1977 to the present	
18:30 – 20:30	Welcome cocktail	

Location: Romanian Academy, Calea Victoriei 125, Sector 1, Bucharest



6th National Conference on Earthquake Engineering
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Thursday June 15, 2017		
8:00 – 9:00	Registration of participants	Hall I.2, FCCIA/UTCB
9:00 – 9:45	Keynote lecture 5 – Sierd Cloetingh Lithosphere dynamics and sedimentary basins: from the deep Earth to the surface	Hall I.2, FCCIA/UTCB
9:45 – 10:30	Keynote lecture 6 – Iunio Iervolino Seismic risk of modern structures: what damage to expect after strong earthquakes and where to expect it	Hall I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room P1B, FCCIA/UTCB
11:00 – 12:45	Parallel Session 1 – Seismicity of Romania Chairpersons – Sierd Cloetingh + Mircea Radulian	Hall I.1, FCCIA/UTCB
11:00 – 11:30	<i>Invited lecture 1 – G. Marmureanu</i> Historical earthquakes: new intensity data points using complementary data from churches and monasteries	
11:30 – 11:45	<i>Seismicity analysis using earthquakes energy</i> V.-E. Toader, I.-A. Moldovan, C. Ionescu, A. Marmureanu	
11:45 – 12:00	<i>The space-time distribution of moderate- and large-magnitude Vrancea earthquakes fits numerically-predicted stress patterns</i> M.-A. Anghelache, H. Mitrofan, F. Chitea, A. Damian, M. Visan, N. Cadicheanu	
12:00 – 12:15	<i>Time series analysis of geospatial and field data for earthquake hazard assessment of Vrancea active zone in Romania</i> M. Zoran, D. Savastru, D. Teleaga, D. Mateciuc	
12:15 – 12:30	<i>The seismogenic sources from the west and south-west of Romania</i> E. Oros, M. Popa, M. Diaconescu	
12:30 – 12:45	<i>The seismic network of NIRD URBAN-INCERC for strong motion recording: a valuable tool for 50 Years of seismic monitoring activity</i>	

	C.-S. Dragomir, I.-G. Craifaleanu, V. Meita, D. Dobre, E.-S. Georgescu, A. Cismelaru	
11:00 – 12:45	Parallel Session 2 – Seismic risk evaluation and management of emergency situations Chairpersons – John Douglas + Dan Lungu	Hall I.2, FCCIA/UTCB
11:00 – 11:30	<i>Invited lecture 2 – T. Saito</i> <i>Real-time safety assessment of disaster management facilities against earthquakes</i>	
11:30 – 11:45	<i>A plea for people centred perspectives on seismic risk evaluation</i> I. Nenciu, M. Neagu, B. Suditu, M. Sercaianu	
11:45 – 12:00	<i>Risk management of earthquakes in Bucharest central area, the role of urban design</i> M. Bostenaru Dan	
12:00 – 12:15	<i>Evaluation of feasibility of pre-earthquake strengthening of RC buildings in Bucharest, Romania</i> F. Pavel, R. Vacareanu	
12:15 – 12:30	<i>Risk-targeted seismic design maps for Romania</i> R. Vacareanu, F. Pavel, V. Coliba, I. Craciun	
12:30 – 12:45	<i>Uniform risk-targeted seismic design maps for Romania</i> V. Coliba, R. Vacareanu, F. Pavel, I. Craciun	
11:00 – 12:45	Round Table – P100-3/2008 Round Table Convener – Viorel Popa	Hall I.4, FCCIA/UTCB
12:45 – 13:45	Lunch break	Room P1B, FCCIA/UTCB
13:45 – 14:30	A word from sponsors	Hall I.2, FCCIA/UTCB
14:30 – 15:15	Keynote lecture 7 – Mauro Dolce The 2016-17 seismic sequence of central Italy: main scientific features and technical emergency activities	Hall I.2, FCCIA/UTCB
15:15 – 16:45	Parallel Session 3 – Geotechnical earthquake engineering Chairpersons – Kyriazis Pitilakis + Alexandru Aldea	Hall I.1, FCCIA/UTCB
15:15 – 15:45	<i>Invited lecture 3 – D. Balteanu, M. Jurchescu, M. Sima, M. Micu, G. Kucsicsa</i> <i>Interdisciplinary research on seismically and rainfall-induced landslides in Romania</i>	
15:45 – 16:00	<i>Site studies for seismic risk mitigation in urban areas</i> S.F. Balan, B.F. Apostol	
16:00 – 16:15	<i>Advanced geo-data modelling to assess earthquake-induced liquefaction deposits for Bucharest city</i> E. Calarasu, C. Arion, C. Neagu	

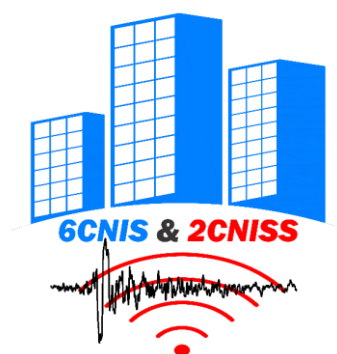
16:15 – 16:30	<i>Ground types for seismic design in Romania</i> C. Neagu, C. Arion, A. Aldea, R. Vacareanu, F. Pavel	
16:30 – 16:45	<i>Investigation of local site responses at the Bodrum Peninsula, Turkey</i> H. Alcik, G. Tanircan	
15:15 – 17:00	Parallel Session 4 – Workshop “RO-RISK – Disaster risk assessment at national level” Chairpersons – Alex Barbat + Benone Duduc	Hall I.2, FCCIA/UTCB
15:15 – 15:45	<i>Invited lecture 4 – A. H. Barbat, L.G. Barbu, S. Oller, A. Cornejo , C. Escudero, X. Matínez</i> <i>Seismic analysis of the containment building of an existing nuclear power plant</i>	
15:45 – 16:00	<i>National risk assessment – challenges, results & lessons learnt</i> B.G. Duduc, F. Senzaconi, I. Radu	
16:00 – 16:15	<i>Fragility and vulnerability curves for existing reinforced concrete buildings in Romania</i> I. Damian, C. Rusanu, V. Oprisoreanu, A. Papurcu	
16:15 – 16:30	<i>Seismic exposure analysis in RO-RISK project</i> C. Arion, C. Neagu, F. Pavel	
16:30 – 16:45	<i>Seismic risk assessment for residential buildings in Romania</i> F. Pavel, R. Vacareanu, C. Arion, C. Neagu, M. Iancovici, V. Popa	
16:45 – 17:00	<i>The contribution of GIS to seismology. Case study: the assessment of seismic hazard and risk in Romania</i> D. Toma-Danila, C.O. Cioflan, I. Armas, E.F. Manea	
15:15 – 17:00	Round Table – Resilience-based assessment of structures Convener – Florin Pavel	Hall I.4, FCCIA/UTCB
17:00 – 17:30	Coffee break	Room P1B, FCCIA/UTCB
17:30 – 19:00	Parallel Session 5 – Seismic design and assessment Chairpersons – Alper Ilki + Mihail Iancovici	Hall I.1, FCCIA/UTCB
17:30 – 18:00	<i>Invited lecture 5 – A. Ilki, E. Tore, C. Denir, M. Comert</i> <i>Code based performance prediction for a full-scale FRP retrofitted building test</i>	
18:00 – 18:15	<i>Toward the seismic evaluation of “Carol I” Royal Mosque in Constanta – ambient vibration measurements</i> A. Aldea, C. Neagu, E. Lozinca, S. Demetriu, S.M. Bourdim, F. Turano	
18:15 – 18:30	<i>Nonlinear design optimization of reinforced concrete structures using genetic algorithms</i> A. Pricopie, I.-V. Cimbru	
18:30 – 18:45	<i>A macro modelling blind prediction of a cyclic push-over test on a full</i>	

	<i>scale masonry house</i> T. Hoogeveen, J. White	
18:45 – 19:00	<i>Static and dynamic approaches on the low-rise rc frames seismic capacity evaluation and damage quantification</i> V.-A. Paunescu, M. Iancovici	
17:30 – 19:00	Parallel Session 6 – Seismic risk evaluation and management of emergency situations Chairpersons – Emil-Sever Georgescu + Cristian Arion	Hall I.2, FCCIA/UTCB
17:30 – 18:00	<i>Invited lecture 6 – E-S. Georgescu, K. Steinbrueck, A. Pomonis</i> <i>New archival evidence on the 1977 Vrancea, Romania earthquake and its impact on disaster management and seismic risk</i>	
18:00 – 18:15	<i>Presentation of structural systems and characteristic parameters of Romanian buildings for application of the RVS method</i> C. Stere, C. Ursu	
18:15 – 18:30	<i>Application of advanced tools for the evaluation of natural hazards preparedness: the Romanian participation in the E-PreS project</i> I.-G. Craifaleanu, E.-S. Georgescu, V. Meita, C.-S. Dragomir, D. Dobre, A. Cismelaru	
18:30 – 18:45	<i>Seismic preparedness of the population of Bucharest, Romania: questionnaire results</i> I. Calotescu, F. Pavel	
18:45 – 19:00	<i>Seismic risk assessment through the lenses of a civil engineer: the need of structural health monitoring</i> A. Tiganescu	
20:30 – 23:00	Gala dinner	

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Friday June 16, 2017		
9:00 – 9:45	<p>Keynote lecture 8 – Alik Ismail-Zadeh From lithosphere dynamics and earthquake modelling through seismic hazard and risk assessments to disaster risk reduction: A long way towards seismic safety and sustainability</p>	Hall I.2, FCCIA/UTCB
9:45 – 10:30	<p>Keynote lecture 9 – Humberto Varum Influence of infill masonry walls in the seismic response of buildings: From field observations to laboratory research</p>	Hall I.2, FCCIA/UTCB
10:30 – 11:00	Coffee break	Room P1B, FCCIA/UTCB
11:00 – 13:00	<p>Parallel Session 7 – Innovative solutions for seismic protection of building structures Chairpersons – Matsutaro Seki + Dan Dubina</p>	Hall I.2, FCCIA/UTCB
11:00 – 11:30	<p><i>Invited lecture 7 – M. Seki</i> <i>A proposal on the simplified structural evaluation method for existing reinforced concrete buildings with infilled brick masonry walls</i></p>	
11:30 – 11:45	<p><i>Development of two types of buckling restrained braces</i> C.I. Zub, A. Stratan, A. Dogariu, C. Vulcu, D. Dubina</p>	
11:45 – 12:00	<p><i>Seismic protection of structures equipped with magneto-rheological dampers</i> C. Vulcu, D. Dubina, N. Popa, L. Vekas, G. Ghita, T. Sireteanu, I. Borbath, R. Oprescu</p>	
12:00 – 12:15	<p><i>Re-centring capacity of dual steel building frames with replaceable thin-walled shear panels</i> C. Neagu, F. Dinu, D. Dubina</p>	
12:15 – 12:30	<p><i>Seismic performance of eccentrically braced frames with bolted links under different types of seismic motions</i> A. Stratan, A. Chesoi, D. Dubina</p>	
12:30 – 12:45	<p><i>Robustness performance of seismic resistant steel moment connections</i></p>	

	I. Marginean, F. Dinu, D. Dubina	
12:45 – 13:00	<i>Towards European prequalification criteria for steel moment joints in multistory buildings frames</i> C. Maris, A. Stratan, D. Dubina	
11:00 – 13:00	Parallel Session 8 – Seismicity of Romania Chairpersons – Alik Ismail-Zadeh + Constantin Ionescu	Hall I.2, FCCIA/UTCB
11:00 – 11:30	<i>Invited lecture 8 – J. Douglas, A. Gkimprxis</i> <i>Using targeted risk in seismic design codes: A summary of the state of the art and some recent work</i>	
11:30 – 11:45	<i>Seismic Intensity estimation using macroseismic questionnaires and instrumental data - Case Study Bârlad, Vaslui County</i> I.-A. Moldovan, B. Grecu, A.P. Constantin, A. Anghel, E.F. Manea, L. Manea, R. Partheniu	
11:45 – 12:00	<i>Earthquake mechanism and correlation with seismogenic zones in the southern and eastern part of Romania</i> A. Bala, M. Radulian. E. Popescu, D. Toma-Danila	
12:00 – 12:15	<i>Testing the macroseismic intensity attenuation laws for Vrancea intermediate depth earthquakes</i> M.-M. Rogozea, I.-A. Moldovan, A.-P. Constantin, E.-F. Manea, C.-O. Cioflan, L. M. Manea	
12:15 – 12:30	<i>Evidence for earthquake damage on St. Michael church in Cluj-Napoca, Romania</i> M. Kázmér	
12:30 – 12:45	<i>On the ground motions' spatial correlation for Vrancea intermediate-depth earthquakes</i> I. Craciun, R. Vacareanu, F. Pavel	
12:45 – 13:00	<i>Abnormal animal behavior prior to the Vrancea (Romania) major subcrustal earthquakes</i> A.P. Constantin, I.-A. Moldovan, R. Partheniu	
11:00 – 13:00	Round Table – Quick post-earthquake evaluation of buildings Convener – Eugen Lozinca	Hall I.4, FCCIA/UTCB
13:00 – 14:00	Lunch break	
14:00 – 14:45	Keynote lecture 10 – Roberto Paolucci 3D physics-based numerical simulations: advantages and limitations of a new frontier to earthquake ground motion prediction	
14:45 – 15:30	Keynote lecture 11 – Koichi Kusunoki A new structural health monitoring system for real-time building damage evaluation	
15:30 – 17:00	Parallel Session 9 – Seismic design and assessment	
		Hall I.1, FCCIA/UTCB

	Chairpersons – Masaki Maeda + Dragos Marcu	
15:30 – 16:00	<i>Invited lecture 9 – M. Maeda, H. Al-Washali Damage due to earthquakes and improvement of seismic performance of reinforced concrete buildings in Japan</i>	
16:00 – 16:15	<i>Study of seismic capacity of masonry infilled reinforced concrete frames considering the influence of frame strength</i> H. Al-Washali, K. Jin, M. Maeda	
16:15 – 16:30	<i>Specific aspects in seismic analysis of embedded structure</i> C. Ilinca, A. Popovici, C. Anghel	
16:30 – 16:45	<i>How to improve the seismic behaviour of steel structures by using “dog-bone” configurations</i> H. Köber, M. Stoian	
16:45 – 17:00	<i>Comments about the seismic design of concentrically braced frames</i> H. Köber, R. Marcu	
15:30 – 17:00	Parallel Session 10 – Seismic design and assessment Chairpersons – Taiki Saito + Viorel Popa	Hall I.2, FCCIA/UTCB
15:30 – 16:00	<i>Invited lecture 10 – V. Popa Challenges of earthquake resistant design for buildings in Bucharest</i>	
16:00 – 16:15	<i>The use of artificial neural networks in assessing the state of effort in three-dimensional models with solid elements</i> M. Budescu, A.-E. Pandelea, L. Soveja	
16:15 – 16:30	<i>Virtual lifelong learning platform in the field of seismic design</i> R. Pascu, I.-G. Craifaleanu, O. Anicai, L. Stefan, V. Popa, V. V. Oprisoreanu, I. Damian, A. Papurcu, C. Rusanu	
16:30 – 16:45	<i>Anchorage of beam reinforcement in beam-column joints: overview of the Romanian standards</i> D. Cotofana, M. Pavel, V. Popa	
16:45 – 17:00	<i>On the seismic jerk</i> R. Sofronie	
17:00 – 17:30	Coffee break	Room P1B, FCCIA/UTCB
17:30 – 18:30	Parallel Session 11 – Seismicity of Romania Chairpersons – Andrei Bala + Carmen Cioflan	Hall I.1, FCCIA/UTCB
17:30 – 17:45	<i>Presignal signature of radon (Rn222) for seismic events</i> M. Zoran, R. Savastru, D. Savastru, D. Mateciuc	
17:45 – 18:00	<i>Ground motion intensity versus ground motion kinematics. Some alternative intensity measures</i> H. Sandi	

18:00 - 18:15	<i>Combined solutions for an integrated GNSS study over NW Galati seismogenic area issued from GPS continuous and campaign measurements</i> E. I. Nastase, A. Muntean, C. Ionescu, V. Mocanu, B. Ambrosius	
17:30 – 18:15	Parallel Session 12 – Seismic behaviour of engineering structures Chairpersons – Koichi Kusunoki + Mihai Pavel	Hall I.2, FCCIA/UTCB
17:30 – 17:45	<i>Experimental study on eccentrically braced frames with a new type of bolted replaceable active link</i> A. Ashikov, G. C. Clifton, B. Belev	
17:45 – 18:00	<i>Assessment of multi-storey steel structures behaviour concentrically braced with or without BRBs</i> S.-C. Ionescu-Lupeanu, A.-S. Dima	
18:00 – 18:15	<i>Blind prediction of structural behavior for a reinforced concrete structure subject to torsion and nonlinear effects</i> C.-A. Ursu, C.-C. Stere, V.-V. Oprisoreanu	
18:30 – 19:00	Closing ceremony	Hall I.2, FCCIA/UTCB

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Room P1B located at ground floor