



PERSONAL INFORMATION



Cristian - Lucian Ghindea

 Baionetei 2, 051766 Bucharest (Romania)

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 ghindea@utcb.ro

Date of birth 30 Jul 78 | Nationality Romanian

PREFERRED JOB

Technical Higher Education

WORK EXPERIENCE

01 February 2009 - Present

Senior Lecturer

Technical University of Civil Engineering Bucharest, Department of Strength of materials, Bridges and Tunnels

Lacul Tei 124 RO-020396 Bucharest (Romania)

www.utcb.ro

Courses of Strength of Materials and Experimental Testing in Civil Engineering, Practical application Courses at Strength of Materials, Plates Theory and Finite Elements Method

Business or sector Higher Education

2011 - Present

Managing Director

Technical University of Civil Engineering Bucharest, Center of Advanced Research in Strength of Materials - CAREM

Lacul Tei 124 RO-020396 Bucharest (Romania)

Management of research activities and providing services

Business or sector Professional, scientific and technical activities

2011 - Present

Assistant Manager

Technical University of Civil Engineering Bucharest, Strength of Materials Laboratory

Lacul Tei 124 RO-020396 Bucuresti (Romania)

1st Degree Licensed Laboratory for Experimental Testing in Civil Engineering, Responsible for experimental tests

Business or sector Construction

01 February 2005 - 01 February 2009

Assistant Profesor

Technical University of Civil Engineering Bucharest, Department of Strength of Materials

Practical application Courses at Strength of Materials, Plates Theory and Finite Elements Method

Business or sector Higher Education

01 October 2001 - 31 January 2005

Junior Assistant Professor

Technical University of Civil Engineering Bucharest, Department of Strength of Materials

Lacul Tei 124 RO-020396 Bucharest (Romania)

Practical application Courses at Strength of Materials, Plates Theory and Finite Elements Method

Business or sector Higher Education

2002 - 2010 **Civil engineer**
 Authorized individuals
 Civil Engineering Design

EDUCATION AND TRAINING

- 01 October 2002 - 10 April 2009 **PhD**
 Technical University of Civil Engineering Bucharest, Bucharest (Romania)
 Civil Engineering

- 01 October 2001 - 15 July 2002 **Postgraduate**
 Technical University of Civil Engineering Bucharest, Bucharest (Romania)
 Advanced Methods in Structural Analyses

- 01 October 1996 - 15 July 2001 **B.Sc./M.Sc.**
 Technical University of Civil Engineering Bucharest, Faculty of Civil, Industrial and Agricultural Buildings, Bucharest (Romania)
 Civil Engineering

- 1996 - 2001 **Teacher Degree**
 Technical University of Civil Engineering Bucharest, Department of Teacher Training, Bucharest (Romania)

- 25 July 2007 - 27 July 2007 **Training Program on Seismic Risk within JICA Technical Cooperation Project for Seismic Risk Reduction**
 Bucuresti (Romania)

- September 2011 - September 2011 **Course in "Nondestructive Testing in Construction"**
 Romanian Association for Technology, Equipment and Mechanization in Construction - AROTEM, Centre for Research, consulting and production for construction and industry - DINAMIC PLUS SRL, Bucharest (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	B2
French	B2	B1	A2	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Good communication capacity

Organisational / managerial skills Management and organizational skills

Job-related skills Competence in the experimental tests

Computer skills - Competence in use of Microsoft Office products, aided graphic design (Autocad)
- Competence in using software for computer assisted designing (SAP 2000, ETABS, Mathcad)
- Basic knowledge of programming in Pascal and the use of graphics processing programs (PhotoShop™).

Driving licence B

ADDITIONAL INFORMATION

- Projects**
- Obtained through competitive research grants, as Contract Director:
2007-2008 - Contract CNCSIS for young PhD, Cod TD-2, nr. 67/2007, "Study of some methods to mitigate seismic action on construction"
- Projects**
- Research or service contracts, as Contract Manager:
2012 - Contract no.238/2012, "Realization of experimental testing at Bazsa Conference Center, Stupini, Brasov, to determine the bearing capacity of a wood pilot and the compression strength of masonry bricks used at building", Beneficiary: S.C. CONCELEX S.R.L.
2012 - Contract no.233/2012, "Realization of in situ dynamic measurements for composite prestressed concrete strips with parking with slab finishing cast at Electroputere Parc Craiova", Beneficiary: S.C. ARC-PLAN S.R.L.
2012 - Contract no.208/2012, "Experimental testing of the road overpass on County Road Bypass, DJ 236, Prahova County", Beneficiary: Societatea de Constructii in Transporturi Bucuresti S.A.
2012 - Contract no.138/2012, "Experimental dynamic tests to determine the vibration frequencies of a reinforced concrete viaduct, km 12+362, on bypass of Constanta city", Beneficiary:SC BETARMEX SRL.
2012 - Contract no.115/2012, "Determination of concrete strength through non-destructive testing at the "Office Building 2B + GF + SE+6 F" from Poligrafiei Boulevard 73-75, Bucharest", Beneficiary: SC MILENIUM CLIMA SRL
2012 - Contract no. 61/2012, "Dynamic tests for access overpass in the city of Campina", Beneficiary: SC INCERTRANS SA
- Projects**
- Research or service contracts, as technical or managerial responsibilities member:
2012-2013 - Contract no. 520/29.10.2012 (TUCEB no. 164/2012), "Elaboration of the paper: Guidelines for seismic design of steel structures for display and storage racks. Examples of calculation", Beneficiary: Ministry of Regional Development and Tourism
2012 - Contract no. 341/2011, "In situ experimental tests for façade bearings at the "FCC - Sky Tower", Bucharest, Calea Floreasca 242-246", Beneficiary: SC AL-PROMT SRL
2011 - Contract no. 260/2011, "Static and dynamic tests on bridge no. 20, at A2 highway, over the Danube-Black Sea Channel", , Beneficiary: JV ASTALDI S.p.A - MAX BOGL Association
2011 - Contract no. 193/2011, "Dynamic tests for determination of vibration frequencies in a central section of the Basarab cable-stayed bridge", Beneficiary: SC INCERTRANS SA
2011 - Contract no. 57/2011, "In situ measurements of the glass stairs steps at the Crystal Tower office building, Bucharest, Blvd Iancu de Hunedoara 48", Beneficiary: SC AMV Grup Construct SRL
2010-2011 - Contract no. 445/2010 TUCEB no. 70/2010), "Elaboration of the paper: Actions on structures . General actions. Accidental actions. National Annex to Eurocode EN 1991-1-7 -national database", Beneficiary: Ministry of Regional Development and Tourism
2010 - Contract no. 283/2010, "Determination of the mechanical characteristics for the metal elements used at a steel warehouse from Voluntari city.", Beneficiary: SC HUAYI GRUP SRL
2009-2010 - Contract no. 352/2009, "Realization of in situ dynamic tests for composite steel and reinforced concrete slabs at the new headquarters of the National School of Political and Administrative Studies", Beneficiary: SNSPA

- Projects**
- Research grants obtained through competition as a member of the research team:
2008-2011 - Project from National Programme II, no. 32167/2008, Beneficiary: CNMP (UEFISCDI), "Telescopic devices and technology process to strengthen buildings by controlling, limiting and damping oscillations induced by seismic action"
2007 - Contract n0. 217/2005, „P100-1:Seismic Design of Buildings - 2nd volume, Comments and Examples of calculation”; Beneficiar: Ministry of Public Works
2001 -2002 - Contract n0. 551/2000, topic A13/2002, „Evaluation of seismic response of structures considering soil-structure interaction. Case studies for infrastructure of general foundation plate type with or without pilots”, phase 13.1 „Soil-structure interaction modeling, considering physical nonlinear behavior of the soil. Calculation program” and phase 13.2 "Case studies";
- Projects**
- Research contracts or services, as a member of the research team:
2012 - Contract no. 13/2012, "Project Endorsing and verifying for the illuminated sign board at the Petrom City objective, located in Străulești road no. 69-71, sect. 1 Bucharest", Beneficiary: SC METAL YAPI SRL
2011- Contract no. 158/2011, "Structural design for glass stair at the Crystal Tower office building, Bucharest, Blvd Iancu de Hunedoara, no. 48", Beneficiary: SC AMV Grup Construct SRL
2010 - Contract nr. 55/2010, "Design project endorsing and verifying for facades of Petrom City objective, located in Străulești road no. 69-71, sect. 1 Bucharest", Beneficiary: SC METAL YAPI SRL
- Publications**
- Books:
- Simulescu, C. Ghindea; "Mechanics of Materials - student workbook"; vol. 1, Conspress, Bucuresti, ISBN 973-7797-32-9, 2004
- Publications**
- Papers published in journals indexed in international databases:
- Cristian Lucian Ghindea, Monica Adriana Popescu, Response of Flexible Structures with Tuned Mass Dampers Acted by Wind, Bulletin of the Transilvania University of Braşov - Series 1, ISSN 2065-2127, Vol. 5 (54), Special Issue no. 1, 2012, p. 147-154
- Radu Cruciat, Cristian Ghindea, Experimental Determination of Dynamic Characteristics of Structures, Mathematical Modelling in Civil Engineering -Scientific Journal of the Technical University of Civil Engineering, ISSN 2066-6926, No. 4, 2012, p. 51-59
- Tulei Elena, Cretu Dan, Ghindea Cristian, "Seismic Rehabilitation of a Reinforced Concrete Framed Structure by the Use of Tuned Mass Dampers and Viscous Dampers", ACTA TECHNICA NAPOCENSIS, Proceedings of the International Conference "Constructions 2008", Cluj, 2008, ISSN 1221-5848
- Cristian Ghindea, Nicolai Topa, "Inertial Damping at Systems with Additional Mass Using Electric Extensometry", Scientific Bulletin of TUCEB, Series: Mathematical Modelling in Civil Engineering , nr. 1/2008, ISSN-1841-5555
- Publications**
- Papers published in other specialized journals:
- Ovidiu Bogdan, Ion Croitoru, Cristian Ghindea, Dan Crețu, ing. Radu Cruciat, "Scara din sticlă a clădirii de birouri Crystal Tower (Glass staircase at the Crystal Tower office building ", AICPS Review, Nr. 1-2/2012
- Dan Crețu, Elena Tulei, Cristian Ghindea, Radu Cruciat, "Comportarea la seism a sistemelor de rafturi metalice pentru produse paletizate (Seismic behavior of steel racks systems for palletised goods)", AICPS Review, Nr. 3/2011
- Dan Crețu, Elena Tulei, Cristian Ghindea, "Efectul activităților asupra vibrațiilor planșeelor composite (The effect of human activities on composite floors vibration)", AICPS Review, Nr. 1/2010
- Dan Cretu, Elena Tulei, Cristian Ghindea, "Considerații privind calculul la seism al mansardelor (Considerations on seismic calculation of attics)", AICPS Review, Nr. 1/2009
- Cristian Ghindea, "One Story Buildings Endowed With Tuned Mass Dampers Seismic Response for Romanian Earthquake Condition", Buletinul Stiintific al UTCB, nr.2/2008, ISSN-1224-628X

Publications

- Papers presented at national conferences and published in full in proceedings volume type:
 - Cristian Ghindea, Dan Crețu, Elena Tulei, Radu Cruciat, "Considerarea acțiunilor accidentale prin impact și explozii la proiectarea structurilor (Consideration of impact and explosion accidental actions in the design of structures)", Conferința Națională "Ingineria Cladirilor" (National Conference "Building Engineering"), Bucharest, September 29, 2011
 - Elena Tulei, Dan Crețu, Cristian Ghindea, Radu Cruciat, "Considerații privind proiectarea structurilor rafturilor metalice în zone seismice (Considerations on design of metal racks structures in seismic areas)", Conferința Națională "Ingineria Cladirilor" (National Conference "Building Engineering"), Bucharest, September 29, 2011
 - D. Crețu, E. Tulei, C. Ghindea, R. Cruciat, "Eficiența dispozitivelor pasive de control la reabilitarea seismică a unei clădiri din București (Effective passive control devices for seismic rehabilitation of a building in Bucharest)", A 4-a Conferință Națională de Inginerie Seismică (4th National Seismic Engineering Conference), Bucharest, December 18, 2009
 - Nicolai Țopa, Cristian Ghindea, "Continuizarea placilor peste rosturi la tablierelor de poduri pe grinzi simplu rezemate și implicațiile de calcul (Continuity of plates over the joints in bridge decks on simply supported beams and the design implications)", Simpozionul Tendințe Actuale în Domeniul Construcțiilor și Urbanism (TADCU), A IV-a a Conferința Națională a Academiei de Științe Tehnice din România (Symposium on Current Trends in construction and Urbanism, The Fourth National Conference of the Academy of Technical Sciences from Romania), Iași, November 19-20, 2009
 - Cristian Ghindea, Nicolai Țopa, „Studiu de caz asupra unor structuri cu baza izolată (Case study on base isolated structures)", Lucrările sesiunii științifice CIB 2008 (Scientific session work CIB 2008), Brașov, November, 21-22, 2008, ISSN 1843-6617
 - D. Crețu, E. Tulei, C. Ghindea, "Comportarea la acțiuni seismice a mansardelor cu structura metalică executate pe clădiri existente (Behavior of seismic actions attics with metal structure made on existing buildings)", Zilele Academice Timisene - Structuri metalice amplasate în zone seismice. Preocupări actuale (Timisoara's Academic Days, Steel structures located in seismic areas. Current concerns), Timisoara, May 25, 2007

Publications

- Papers presented at international conferences and published in full in proceedings volume type:
 - Dan Crețu, Elena Tulei, Cristian Ghindea, Radu Cruciat, "Vibrations induced by human activities in composite steel floor decks. Case study", International Symposium "Steel Structures: Culture & Sustainability 2010", Istanbul, Turkey, 21-23 September 2010
 - E. Tulei, D. Crețu, C. Ghindea, R. Cruciat, "Efficiency of passive control devices in rehabilitation of a building in the seismic conditions of Romania", Fourteenth European Conference on Earthquake Engineering, Ohrid, Republic of Macedonia, 30 August - 03 September 2010
 - D. Crețu, E. Tulei, C. Ghindea, "Aspects regarding the vibrations induced by human activities in composite steel floor decks", 13th International Symposium of Macedonian Association of Structural Engineers (MASE), Ohrid, October 14-17, 2009