

CURRICULUM VITAE

Name: **Vlad IORDACHE**
Address: Str. Serban Voda, nr 81-83, bloc Corp B,
apt 2, sector 4, Bucuresti
Telephone: +40749218162; +40213361506
Fax: +40212523967
E-mail: viordach@yahoo.com; vlad.iordache@cambi.ro;
Nationality: Romanian
Birth date: 13.04.1975

PROFESSIONAL EXPERIENCE

Period Oct 1998 – nov
Name, address of the enterprise: Universitatea Tehnica de Constructii Bucuresti; Fac. Instalatii –Dept .
Instalatii, Bd. Lacul Tei 124, sect2, Bucuresti 020396,RO
Activity type/field: Education and Research
Function and position: 2008-now – Associate professor; 2004-2008 – Lecturer
2001-2004 – Assistant; 1998-2001 – „Preparator”
Activities: Teaching and research

Period Oct 1999 – Sept 2002
Name, address of the enterprise: Universite de La Rochelle – IUP Genie Civil
Av. Michel Crepeau, La Rochelle, Charente Maritime, France
Activity type/field: Education and Research
Function, position: Moniteur de recherche
Activities: Teaching and research

EDUCAȚIE ȘI FORMARE

Period Oct 05 - Nov 05
Name of enterprise: Universitatea Tehnica de Constructii Bucuresti
Field: Building Energy Consumption
Diploma type: **Certificat Studii Postuniversitare de Auditare Energetica A Cladirilor** No.
Minister E 0000430, No UTCB 197/15.02.2006
Type of Course: Postgraduate

Period Nov 99 – Ian 03
Name of enterprise: Universite de La Rochelle
Field: PhD Civil Engineering
Diploma type: **Diplome de Docteur**–Domaine Genie Civil –17Feb2004, No LAROCCEL 4145393
Type of Course: PhD

Period Sep 99 - Aug 02
Name of enterprise: Universite de La Rochelle
Field: Moniteur de recherche

Diploma type	Attestation de Fin de Monitorat –Moniteur de Recherche – Tour 3Oct02
Type of Course	PhD
Period	Oct 98 – Sep 99
Name of enterprise	Universitatea Tehnica de Constructii Bucuresti
Field:	Confort and Energy Efficiency
Diploma type	Diploma de Studii Aprofundate – No Minister D0015088, NoUTCB 63/30Sep99
Type of Course	Ms
Period	Ian 99 - Iun 99
Name of enterprise	Universite de La Rochelle
Field:	Building Physics
Diploma type	Diplôme d’Etudes Approfondies – NoLAROCCEL2025633/199820034 9Dec1999
Type of Course	Ms
Period	Oct 93 - Iun 98
Name of enterprise	Universitatea Tehnica de Constructii Bucuresti
Field:	Building Services
Diploma type	Diploma de Licenta de Merit – NoMinister P 0000819, NoUTCB 428I/30Iun98
Type of Course	Bs
Period	Oct 93 - Iun 98
Name of enterprise	Universitatea Tehnica de Constructii Bucuresti
Field:	Pedagogical formation
Diploma type	Certificat de absolvire a Formatiunii Pedagogice – No. Minister B0004170, No. UTCB 129/DD 26.Apr.2000
Type of Course	Bs

PERSONAL SKILLS

Foreign languages	ENGLISH reading 5/5 speaking 5/5 writing 5/5 - TOEFL595 FRANCH reading 5/5 speaking 5/5 writing 5/5 - 4 years in France
Organizational skills, competences	<ul style="list-style-type: none"> - Principal Investigator Romanian research project PNII IDEI 2007: 2007-2010 - Principal Investigator Romanian research project PNII TE 2011: 2011-2014 - Principal Investigator French research project PRIMEQUAL PREDIT 1999-2002 - Scientific leader Romanian research project PNII – Cooperare 2008-2011 - Partner Responsible – Internat. student mobility TEMPUS WATERMOST - Participant about 18 research national and international projects. - Organizer Workshop WS1: “Poluarea Aerului Interior” during national conference of Building services Faculty - UTCB, Bucharest 25-29Nov2007 - Member Organizational Committee at Young Researchers Conf ‘10-‘11 - Coordinator students Bachelor and Master degree projects - Coordinator students technical practice 1998-2008
Technical skills and	Computer: Windows, MSOffice, Matlab, ACAD, Programming

competences	<p>Experimental Stand Blower Door – Air tightness measurements</p> <p>Experimental Stand indoor/outdoor pollution measurement stand</p> <p>Experimental Stand O2 and O3 generator</p> <p>Equipment infrared temperature measurements</p> <p>Noise measurements</p>
Driving licence	B
Other skills and competences	<p><u>ACCREDITATIONS</u> (Ministries MDRT and MECTS)</p> <ul style="list-style-type: none"> - Building energy commissioner. Opt. ci. Level I. Badge BA 00507/12.04.2005 - Design reviewer for thermal installation. Badge B 07884/25.04.2008 - Design reviewer for sanitary installation. Badge B 07884/25.04.2008 - Research project reviewer for PNII IDEI Commission 2 Civil: 6 Pr./2008; - Research project reviewer for PNII RES.PD Commission 2 Civil: 2 Pr./2010 - International research project reviewer for Bulgaria; - Research project reviewer for PNII PARTENERIATE Commission 2 Civil; - Member in MECTS CNATDCU commission 2 Civil Engineering; - MDRT Permanent Technical Council for Buildings - specialty activities - MDRT Permanent Technical Council for Buildings-technical approvals - Reviewer International ISI Journal « Building and Environment » din 2011 - Reviewer International ISI Journal « Energy and Building » din 2012 - Reviewer National CNCSIS B+ Journal Acta Napocensis: Civil and Architectural din mai 2011 - Reviewer National CNCSIS C Journal Bul. Stiintific al UTCB din nov 2010 - Reviewer Journal of Mathematical Modeling in Civil Engineering ‘10-‘11 - Reviewer Young Researchers Conference, UTCB ‘10-‘12 <p><u>PROFESSIONAL ASSOCIATIONS</u></p> <ul style="list-style-type: none"> o ASHRAE - American Society of Heating, Refriger and Air-Conditioning Engineers, -2009 o SRA – Romanian Society of Acoustics www.sra.ro -2008 o AIIR – Romanian association building services engineers - www.aiiro-bucuresti.ro -2006 <p><u>FIELDS OF EXPERIENCE</u></p> <ul style="list-style-type: none"> • Indoor environment quality; • Building and building services acoustics; • Indoor air quality; • Indoor heating pipe network • Indoor sanitary pipe network • Building air tightness • Heat metering; • Building energy commissioning; • Water network balancing; <p><u>RESEARCH PROJECTS AND MAIN AWARDS</u></p> <p>20 research projects: 5 research projects with leading responsibilities and 15 research projects as member/participant. “Best paper award 2011” – ISI Journal Building and Environment; “Certificate of Excellence in Reviewing 2012” – ISI Journal Energy and Building</p>

RECENT PUBLISHED PAPERS

- 1 Catalina Tiberiu, **Vlad Iordache***, Caracaleanu Bogdan, Multiple regression model for fast prediction of the heating energy demand, *Energy and Buildings, Volume 57, February 2013, Pages 302-312*
<http://dx.doi.org/10.1016/j.enbuild.2012.11.010>
- 2 **Vlad Iordache**, Tiberiu Catalina * Experimental investigation on the sound pressure level for a high thermal capacity burner during a running cycle. *Applied Acoustics, Volume 74, Issue 5, May 2013, Pages 708-717*
<http://dx.doi.org/10.1016/j.apacoust.2012.11.004>,
- 3 **Vlad Iordache**, Tiberiu Catalina*, Acoustical approach for building air permeability estimation, *Building and Environment, Volume 57, November 2012, Pages 18-27*
<http://dx.doi.org/10.1016/j.buildenv.2012.04.008>,
- 4 Tiberiu Catalina, **Vlad Iordache***, IEQ assessment on schools in the design stage , *Building and Environment, Volume 49, March 2012, Pages 129-140*
<http://dx.doi.org/10.1016/j.buildenv.2011.09.014>
- 5 **Vlad Iordache***, Ilinca Nastase, Andrei Damian, Iolanda Colda, Average permeability measurements for an individual dwelling in Romania, *Building and Environment, Volume 46, Issue 5, May 2011, Pages 1115-1124*
<http://dx.doi.org/10.1016/j.buildenv.2010.11.012>
- 6 Nastase I*, Meslem A, **Vlad Iordache**, Colda I, Lobed grilles for high mixing ventilation - An experimental analysis in a full scale model room, *Building and Environment, Vol 46, Issue 3, March 2011, Pages 547-555*
<http://dx.doi.org/10.1016/j.buildenv.2010.08.008>,
- 7 Patrice Blondeau*, **Vlad Iordache**, Olivier Poupard, Francis Allard – Relationship between outdoor and indoor air quality in 8 French schools, *Indoor Air, 2005, Volume 15, issue no. 1, pages. 2-12(11)*
DOI: 10.1111/j.1600-0668.2004.00263.x
- 8 O. Poupard, P. Blondeau*, **Vlad Iordache**, F. Allard, Statistical analysis of parameters influencing the relationship between outdoor and indoor air quality in schools, *Atmospheric Environment, volume 39, (2005), 2071-2080*
<http://dx.doi.org/10.1016/j.atmosenv.2004.12.016>
- 9 **Vlad Iordache***, Statistical prediction model of the outdoor/indoor pollutant transfer, *Journal of Mathematical Modelling in Civil Engineering*, nr 1-2, vol 7, March 2011 (see Ebsco, Proquest)
- 10 **Vlad Iordache***, Outdoor Pollution in Bucharest, *Journal of Mathematical Modelling in Civil Engineering*, nr 1-2, vol 7, March 2011 (see databases Ebsco, Proquest)
- 11 Florin Iordache, Tiberiu Catalina*, **Vlad Iordache** , Rapid Assessment Procedure of the energy performance of a building's heating system, *Mathematical Modelling in Civil Engineering*, Anul 2012, Volum 2, ISSN 2066-6926 (see databases Ebsco, Proquest)
- 12 Alin Marius Nicolae, **Vlad Iordache***, Modelling and simulation of HAM processes, *Acta Tech. Napocensis: Civil Eng. & Arch.*, Vol. 55, Number 3, Published online 15.12.2012 (see IndexCopernicus, getCITED, Electronic Journals Library)
- 13 Florin Iordache, **Vlad Iordache** - Reglarea puterii termice livrate de instalatiile interioare de incalzire centrala, factor important in economia consumului de energie, *Revista Romana de Inginerie Civila*, vol 1, nr 2, 2010 ISSN 2068-3987 (see IndexCopernicus)

RECENT PUBLISHED BOOKS

- 1 **Vlad Iordache**, Instalatii de incalzire interioare cu apa calda. Seria Complemente Ingineresti, Editura MATRIX ROM, Bucuresti , 2011, [ISBN 978-973-755-896-1](#)
- 2 **Vlad Iordache**, Protectie la Zgomot. Acustica cladirilor si a instalatiilor, Editura MATRIX ROM, Bucuresti , 2007, [ISBN 978-973-755-224-2](#)
- 3 Ghiaus, C., **Vlad Iordache**, Allard, F., Blondeau, P. (2005). Outdoor-indoor pollutant transfer, in *Natural ventilation in the urban environment - assessment and design* (ed. C. Ghiaus and F. Allard), Editura JAMES AND JAMES EARTHSCAN, London, UK, [ISBN 1-84407-129-4 hardback](#)
- 4 Florinela Ardelean, **Vlad Iordache**, Ecologie si Protectia Mediului, Editura MATRIX ROM, Bucuresti, 2007, [ISBN 978-973-755-255-6](#)
- 5 Florin Iordache, Bogdan Caracaleanu, **Vlad Iordache**, Termotehnica constructiilor. Culegere de probleme rezolvate, Editura MATRIX ROM, Bucuresti, 2006, [ISBN 978-973-755-135-1](#)
- 6 Ilina Mihai, Dumitrescu Liviu, ..., **Vlad Iordache**, ... et. al. – Manualul de Instalatii – Incalzire-Capitol 4.12 Protectie la zgomot, Ed. Artecno Bucuresti SRL, 2010, [ISBN Manualul instalatorului 978-973-85936-5-7](#) [ISBN Volum Instalatii de Incalzire 978-973-85936-6-4](#)
- 7 Florea Chiriac, Florin Iordache, Dan Constantinescu, **Vlad Iordache**, Nicolae Antonescu, ... et. al. – Auditul energetic al cladirilor existente si sistemenlor aferente de alimentare cu caldura – Prelegeri curs postuniversitar, Conspress Bucuresti, 2005, [ISBN 973-7797-45-0](#)

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PhD. Eng. IORDACHE VLAD
Assoc. prof. Faculty of Building Services - UTCB