

CURRICULUM VITAE team member “b” experience in indoor air quality, building permeability

1. **First Name and LAST NAME:** Ilinca NASTASE
2. **Birthdates:** 22.08.1979
3. **Country:** Romania
4. **Contact :** tel +40733920679 ; email ilincanastase@gmail.com
5. **Study:**
University of La Rochelle, France - ULR: Sept 2003 – Jul 2007 PhD Diploma; Sept 2002 – Jul 2003 Master Diploma;
Faculty of Building Services – Technical University of Civil Engineering of Bucharest – UTCB :
Oct1997 – Jun2002 Engineer diploma;
6. **Working places:**
University of La Rochelle, France: Sept 2006 – Jul 2007 Teaching assistant: courses, seminars, laboratories; Sept 2007- May 2008 Researcher
Faculty of Building Services – Technical University of Civil Engineering of Bucharest: Oct 2008- till now: Lecturer: courses, seminars, laboratories; May 2008-May 2010 Researcher: RP CNCSIS grant principal investigator
7. **Scientific title and current work place:** Assoc Prof, PhD, Eng. ; Technical University of Civil Engineering of Bucharest, Romania - Faculty of Building Services – Department of Hydraulic, Thermal Installations and Atmosphere Protection
8. **Association affiliation:** American ASHRAE; SFT
9. **Languages:** English, French
10. **IT competences:** Windows, MSOffice, Matlab, Mathcad, ACAD, ANSYS Fluent Pascal, VisualBasic, C++;
11. **Specialization and research fields:** Indoor Air Quality; Building Permeability; Building Equipment Acoustics; Building thermal and energy studies; Heating and water installations; Technical and research projects reviewer; Research paper reviewer;
12. **Main research projects:** 4 projects (1-principal investigator; 3 participant)
13. **Main research papers:**
 1. I. NASTASE, A. MESLEM, Passive control of jet flows using lobed nozzle geometries, *Mécanique & Industries*, 8, 101-109, 2007
 2. A. MESLEM, I. NASTASE, K. ABED-MERAIM, Experimental investigation of a lobed jet flow mixing performance, *Journal of Engineering Physics and Thermophysics* , 81 (1) 2008
 3. I. NASTASE , A. MESLEM, Vortex dynamics and entrainment mechanisms in low Reynolds orifice jets, *Journal of Visualization*, 11 (4), 2008
 4. I. NASTASE, A. MESLEM, T. BOWMANS , Vortical structures analysis in jet flows using a classical 2D-PIV system and time resolved visualization image processing, *Journal of Flow Visualization and Image Processing*, 15 (9), 2008
 5. I. NASTASE, A. MESLEM, and P.GERVAIS, Primary and secondary vortical structures contribution in the entrainment of low Reynolds number jet flow, *Experiments in Fluids*, 44, (2008)
 6. I. NASTASE, A. MESLEM, Vortex Dynamics and mass entrainment in turbulent lobed jets with and without lobe deflection angles, *Experiments in Fluids*, (2010), Volume 48, Number 4
 7. A. MESLEM, I. NASTASE, F. ALLARD, Passive mixing control for innovative air diffusion terminal devices for buildings, *Building and Environment*, Volume 45, Issue 12, December 2010
 8. A. MESLEM, M. EL HASSAN, I. NASTASE, Analysis of jet entrainment mechanism in the transitional regime by time-resolved PIV, *Journal of Visualization*, 2010, online first
 9. I. NASTASE, A. MESLEM, V. IORDACHE, I. COLDA Lobed grilles for high mixing ventilation - An experimental analysis in a full scale model room, Volume 46, Issue 3, March 2011
 10. V. IORDACHE, I. NASTASE, A. DAMIAN, I. COLDA, Average permeability measurements for an individual dwelling in Romania, *Building and Environment*, Volume 46, Issue 5, May 2011