
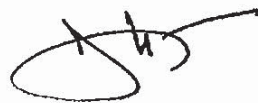


## CURRICULUM VITAE

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| <b>PERSONAL INFORMATION</b>   |   |
| Name  | <b>DRUGHEAN I. Liviu Geo</b>  |
| E-mail  | <b>liviu.drughean@gmail.com</b>   |
| Nationality   | Romanian  |
| Date of birth   | 26 July 1957  |
| <b>WORK EXPERIENCE</b>  |   |
| Name and address of employer  | <b>Technical University of Civil Engineering, 122-124 Lacul Tei Blvd., sector 2 – Bucharest, ROMANIA</b>  |
| Occupation or position held   | <b>Professor, Vice-Rector of TUCE</b>   |
| Main activities and responsibilities  | <b>Courses, seminars and laboratories on the following subjects:<br/>Applied Thermodynamic, Heat Transfer, Cryogenics, Refrigeration Systems, Heat pumps</b>  |
| Scientific Activity   | <b>12 technical books, over 76 scientific papers, more than 90 projects</b>   |
| Title of qualification awarded  | <b>Mechanical Eng., Ph.D.</b>   |
| <b>ADDITIONAL INFORMATION</b>   | <b>2001 – 2013 teaching activities at INP Grenoble, France, “Refrigeration Equipment module”</b><br><b>Romania’s representative member to IIR</b><br><b>Ex-President of ASHRAE DANUBE CHAPTER (2015)</b><br><b>Vice Chair of Research Promotion Committee for</b> |

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|  | <p><b>ASHRAE - Region XIV.</b></p> <p><b>Member in Educational Committee REHVA</b></p> <p><b>President of AFCR (Romanian Association for Refrigeration and Cryogenic)</b></p> <p><b><u>Representative Project</u></b></p> <ul style="list-style-type: none"> <li>- <b>Designing of several ice rinks: M.Ciuc, Galati, Pitesti, Constanta, Poiana Brasov, Gheorgheni, etc</b></li> <li>- <b>Air conditioning rehabilitation for „Polivalent Hall” Bucharest (2006), CEC Headquarters – Braila (2006);</b></li> <li>- <b>Heating and Ventilation plant for Pharmaceutical Industry “ZENTIVA” from Bucharest and „ANTIBIOTICE” Iasi (2006/2007);</b></li> <li>- <b>Rehabilitation of Bulandra Theater (TOMA CARAGIU Hall) 2008;</b></li> <li>- <b>Heating, ventilation plant for a Passive House built in Bragadiru (2007-2008)</b></li> <li>- <b>Measurements, adjustment and hydraulic balancing (Hotel HILTON , IKEA, etc.) 2012;</b></li> <li>- <b>Verification and inspection for HVAC plants for LIDL Supermarket (2012 – 2013);</b></li> <li>- <b>Over 700 Energy Audits for Buildings</b></li> </ul> |
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03.10.2019

#### Manuals

Anica Ilie, Liviu Drughean " Particular refrigeration systems for air conditioning ", Publishing House MATRIXRom - 2014, ISBN 978-606-25-0111-2, (152 pg).

Anica Ilie, Liviu Drughean, Alina Girip, Madalina, Nichita. Editura "Guide for refrigeration systems design ", Publishing House MATRIXRom - 2014, ISBN 978-606-25-0116-7, (340 pg).

#### Articles in ISI Thomson Reuters indexed journals and in ISI proceedings

**Drughean, L., Ilie, A., Hera, D.** "The Thermal Behaviour Of A Passive House With Mixed Functions Through A Year". REHVA world congress Clima 2010 Sustainable Energy Use, 9-12 mai 2010, Antalya, Turcia. CD is 978-975-6907-14-6

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**Ilie A., Drughean L., Hera D..** 2011. Plate heat exchanger used as evaporators, 23rd IIR International Congress of the Refrigeration, 21-26 august 2011, Praga, Published by Icaris Ltd. Czech Republic.

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**DRUGHEAN L., ILIE A., HERA D., IORDACHE F.** "Heat Pumps Plants For Indoor Climate In A Mixed Functions Passive House". 2011. 23rd IIR International Congress of the Refrigeration, 21-26 august 2011, Praga, Published by Icaris Ltd. Czech Republic.

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#### Articles in other International Databases

Anica Ilie, Liviu Geo Drughean, Dragos Hera: " Compact heat exchangers used as evaporators in refrigeration systems ". Romanian Journal of Civil Engineering Volume 2 (2011), nr. 1. <http://www.rric.ro/revista.php?id=3>

**Drughean, L., Ilie A.:** " Constructive, functional and energetic aspects generated by R22substitution in refrigeration systems ". Romanian Journal of Civil Engineering Volume 3 (2012), nr. 2.

<http://www.rric.ro/revista.php?id=6>

**L.G. Drughean, Ph-D 1, A. Ilie, Ph-D 2, A. Dobrovicescu, Ph-D\*3.** Aspects Regarding the Substitution of R22 Refrigerating Agent in Cooling Systems, Air Conditioning and Heating Pumps. CLIMA 2013, 11 th REHVA World Congress \$8th International Conference on IAQVEC, "Energy Efficient, Smart and Healthy Buildings, 16-19 iunie 2013, Praga, ISBN 978-80-260-4001-9, published by Society of Environmental Engineering, Czech Republic ([www.stpcr.cz](http://www.stpcr.cz)).

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A. Dobrovicescu, Filipoiu, V. Apostol, E. Mladin Cerna, **L.G. Drughean, A. Ilie.** Exergetic Analysis of CO2 Refrigeratio Cycles. CLIMA 2013, 11 th REHVA World Congress \$8th International Conference on IAQVEC, "Energy Efficient, Smart and Healthy Buildings, 16-19 iunie 2013, Praga, ISBN 978-80-260-4001-9, published by Society of Environmental Engineering, Czech Republic ([www.stpcr.cz](http://www.stpcr.cz)).

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**A. ILIE, L. DRUGHEAN, A. ŞERBAN, F. CHIRIAC, A. DOBROVICESCU,** "Plate Heat Exchanger Used As Evaporators". 24rd IIR International Congress of Refrigeration, August, 16-22, 2015, Yokohama, Japan

**Liviu DRUGHEAN, Anica ILIE, Alina GIRIP, Daniela TEODORESCU,** "Environmental Impact Of Possible Replacements for R22". 24rd IIR International Congress of Refrigeration, August, 16-22, 2015, Yokohama, Japan.

**Alina FILIP, Anica ILIE, Florin BALTAREŢU, Liviu DRUGHEAN, Radu-Mircea DAMIAN,** "Theoretical And Experimental Study On Pressure Drop In Two-Phase Flow Of Ammonia In A Forced Evaporative Condenser". 24rd IIR International Congress of Refrigeration, August, 16-22, 2015, Yokohama, Japan.

EENVIRO 2016. 26-28 October 2016. Bucharest. Romania

Ilie, A., Dumitrescu, R., Drughean, L., Calotă, R., Gîrîp, A. "Experimental Investigation of Condensation Heat Transfer in Ammonia Evaporative Condensers". Sustainable Solutions for Energy and Environment, EENVIRO 2016. 26-28 October 2016, Bucharest. Romania

Bucuresti  
Octombrie 2016

Prof.dr.ing. Liviu DRUGHEAN

