

# Curriculum Vitae



## Personal information

First name(s) / Surname(s) **Diana Enescu**  
Office address: Faculty of Electrical Engineering, Electronics and Information Technology, Valahia University of Targoviste, Aleea Sinaia Street, no 13, zip code 130004, Targoviste, Romania  
Tel./Fax: +40245217683, web link: <http://fie.valahia.ro>  
E-mail [diana.enescu@valahia.ro](mailto:diana.enescu@valahia.ro), [enescudiana@yahoo.com](mailto:enescudiana@yahoo.com)

Desired employment / Occupational field Engineer/Thermal Power Engineering

## Work experience

### Dates 2002 - present

Occupation or position held Lecturer at the Electronics, Telecommunications and Energy Department  
Name and address of employer Valahia University of Targoviste, Romania  
Type of business or sector Academic

### Dates 1999-2002

Occupation or position held Assistant Professor, Power Engineering Department  
Name and address of employer Valahia University of Targoviste, Romania  
Type of business or sector Academic

### Dates 1996-1999

Occupation or position held Tutor Electro-mechanics Systems Engineering Department  
Name and address of employer Valahia University of Targoviste, Romania  
Type of business or sector Academic

## Education and training

### Dates 2008-2009

Title of qualification awarded Master Sc. Degree in Project Management  
Principal subjects/occupational skills covered Project Management, Strategic Marketing, Managerial Communication, Organizational Behaviour  
Name and type of organisation providing education and training Valahia University of Targoviste, Romania

### Dates 1997-2004

Title of qualification awarded Ph.D. in Mechanical Engineering  
Principal subjects/occupational skills covered Thesis Title: Interference of the temperatures field during the freezing/thawing processes/Heat and Mass Transfer, Refrigerating Plants – Thermal Engineering  
Name and type of organisation providing education and training Technical University of Civil Engineering, Bucharest, Romania

### Dates 1995-1996

Title of qualification awarded Master Sc. Degree in Energy efficiency and the economy of energy  
Principal subjects/occupational skills covered District Heating, Economic and financial legislation and tariff policies, Energy Conservation, energy efficiency and inefficiency  
Name and type of organisation providing education and training UNESCO Department, Politehnica University of Bucharest, Romania

### Dates 1990-1995

Title of qualification awarded B.Sc. in Thermal Power Engineering  
Principal subjects/occupational skills covered Thermal Engineering  
Name and type of organisation providing education and training Faculty of Power Engineering, Politehnica University of Bucharest, Romania

<b>Dates</b>	<b>1986-1990</b>
Title of qualification awarded	Graduate Diploma
Principal subjects/occupational skills covered	Mathematics – Physics
Name and type of organisation providing education and training	Ienachita Vacarescu Highschool, Targoviste, Romania
<b>Social skills and competences</b>	<ul style="list-style-type: none"> <li>- Socrates/Erasmus Bilateral Agreement 2010, <i>Engineering College of Copenhagen, Denmark</i></li> <li>- Socrates/Erasmus Bilateral Agreement 2009, <i>Politecnico di Torino, Italy</i></li> <li>- Socrates/Erasmus Bilateral Agreement 2008, <i>Politecnico di Torino, Italy</i>, teaching staff assignment of short duration in order to supervise the students</li> <li>- Postdoctoral fellowship at <i>Yale University–Connecticut USA</i>, with mobility in two periods: October - December 2006; April - May, 2007</li> <li>- Socrates/Erasmus Bilateral Agreement 2005, <i>Engineering College of Copenhagen, Denmark</i></li> </ul>
<b>Organisational skills and competences</b>	International Relations Department representative at the Electrical Engineering Faculty 2006-2011
<b>Computer skills and competences</b>	Comsol Multiphysics, THERM, Microsoft Project, Microsoft Office
<b>Selected technical activities</b>	<ul style="list-style-type: none"> <li>- Technical Program Committees, The International Conference on New Energy Power and Environmental Engineering " (NEPEE 2020), December 20-21, Xiamen, China <a href="http://www.nepee2020.org/com.html">http://www.nepee2020.org/com.html</a></li> <li>- International Program Committee - Sustainability in Energy and Buildings" (SEB20), 24-26 June 2020, Split Croatia, <a href="http://seb-20.kesinternational.org/committee.php">http://seb-20.kesinternational.org/committee.php</a></li> <li>- Editorial Board Member - SCIREA Journal of Energy <a href="http://www.scirea.org/journal/EditorialBoard?JournalID=48000#6345">http://www.scirea.org/journal/EditorialBoard?JournalID=48000#6345</a></li> <li>- Editorial Board Member "International Journal of Sustainable and Green Energy (IJSGE) <a href="http://www.ijsge.net/editorialboard">http://www.ijsge.net/editorialboard</a></li> <li>- Editorial Board Member - "International Journal of Sustainable and Green Energy (IJSGE) <a href="http://www.ijsge.net/editorialboard">http://www.ijsge.net/editorialboard</a></li> <li>- Language Editor - Scientific Bulletin of Electrical Engineering Faculty (De Gruyter) <a href="https://www.degruyter.com/view//sbeef">https://www.degruyter.com/view//sbeef</a></li> <li>- Editorial Board Member- „The 2019 2nd International Conference on Energy Resources and Sustainable Development"(ICERSD2019), Wuhan,China, March 15-17,2019 <a href="https://www.keoaeic.org/ICERSD2019/committee">https://www.keoaeic.org/ICERSD2019/committee</a></li> <li>- Technical Committee - International Conference on Green Nanotechnology and Computational Fluid Dynamics (GCFD) 2018, University of Cambridge, United Kingdom, March 22-23, 2018. <a href="https://gcf.science/committee/">https://gcf.science/committee/</a></li> <li>- Editorial Board Member - "National Conference of New Renewable Energy Sources", Targoviste, Romania <a href="http://cnsnre2016.valahia.ro/">http://cnsnre2016.valahia.ro/</a></li> <li>- Chair person / Session "Environmental, Social Issues and International Treaties" for the 9th World Energy System Conference (WESC 2012), June 28-30, 2012, Suceava, Romania. <a href="https://www.google.ro/?qws_rd=ssl#q=9th+World+Energy+System+Conference+(WESC+2012)">https://www.google.ro/?qws_rd=ssl#q=9th+World+Energy+System+Conference+(WESC+2012)</a></li> <li>- Chair person / Session "Environmental, Social Issues and International Treaties, Education in Energy and Power System" for the 8th World Energy System Conference (WESC 2010), 1-3 July 2010,Targoviste, Romania. <a href="https://opac.tib.eu/DB=1/LNG=EN/XMLPRS=N/PPN?PPN=717265676">https://opac.tib.eu/DB=1/LNG=EN/XMLPRS=N/PPN?PPN=717265676</a></li> <li>- Reviewer of international journals: Applied Energy, Energy, Renewable and Sustainable Energy Reviews, Applied Thermal Engineering, International Journal of Thermal Sciences, Sustainability Journal, Building and Environment Journal, Energy Conversion and Management , Environmental Engineering and Management Journal, Entropy, Energies, JEMS Journal of Heat Transfer (ASME), Journal of Applied Sciences, Journal of Electronic Materials (Springer)</li> <li>- Reviewer of national and international conferences: <ul style="list-style-type: none"> <li>- The 9th International Conference on Energy and Environment " (CIEM 2019) , 17th-18th October, Timisoara, Romania. <a href="http://ciem.energ.pub.ro/">http://ciem.energ.pub.ro/</a></li> <li>- The 54th International Universities Power Engineering Conference" (UPEC 2019), 3rd-6th September 2019, Bucharest, Romania. <a href="http://upec2019.com/">http://upec2019.com/</a></li> <li>- The 4th International Conference on Energy Engineering and Environmental Protection" (EEEP2019), November 19-21, 2019, Xiamen, China. <a href="http://www.iceeep.org/Default.aspx">http://www.iceeep.org/Default.aspx</a></li> <li>- The 2nd International Conference on Mechanical, Electric and Industrial Engineering" (MEIE2019), May 25-27, 2019, Hangzhou, China. <a href="http://www.icmeie.com/">http://www.icmeie.com/</a></li> <li>- The 4th International Conference on New Energy and Future Energy System" (NEFES 2019), July 21-24, 2019, Macau, China. <a href="http://www.intergridconf.org/2019/">http://www.intergridconf.org/2019/</a></li> <li>- The 3rd International Conference on New Energy and Future Energy System" (NEFES 2018), August 21-24, 2018, Shanghai, China, <a href="http://www.intergridconf.org/2018/">http://www.intergridconf.org/2018/</a></li> </ul> </li> </ul>

#### Selected publications (since 2014)

Enescu D, Chicco G, Porumb R, Seritan, G. Thermal Energy Storage for Grid Applications: Current Status and Emerging Trends, *Energies* 2020, 13(2):340. WOS:000520432300054, <https://www.mdpi.com/1996-1073/13/2/340>

Enescu D. *Models and Indicators to Assess Thermal Sensation Under Steady-state and Transient Conditions*. *Energies* 2019; 12(5):841. WOS:000462646700074 <https://www.mdpi.com/1996-1073/12/5/841>.

Enescu D, Diaz C, Ciocia A, Mazza A, Russo A. *Experimental Assessment of the Temperature Control System for a Thermoelectric Refrigeration Unit*. Proceedings of the 53rd International Universities' Power Engineering Conference (UPEC 2018), Glasgow, England 4th – 7th September 2018, WOS:000468972100144 <https://ieeexplore.ieee.org/document/8542014>

Enescu D. *A review of thermal comfort models and indicators for indoor environments*. *Renewable and Sustainable Energy Reviews* 2017; vol. 79, pp. 1353–1379, WOS:000410011500097, <http://www.sciencedirect.com/science/article/pii/S1364032117308109>

Enescu D, Ciocia A, Mazza A, Russo A. *Solutions based on thermoelectric refrigerators in humanitarian contexts*. *Sustainable Energy Technologies and Assessments Journal*. Volume 22, August 2017, Pages 134-149, WOS:000411568000016, <http://www.sciencedirect.com/science/article/pii/S2213138817301157>.

Enescu D, Spertino F. *Applications of hybrid photovoltaic modules with thermoelectric cooling*. Conference: 8<sup>th</sup> International Conference on Sustainability in Energy and Buildings (SEB), Torino, Italy, September 11-13, 2016. The 8<sup>th</sup> International Conference on Sustainability in Energy and Buildings, SEB-16 Book Series: Energy Procedia, vol. 111, pp. 914-923, 2017, ISSN: 1876-6102, WOS:000400643800093, <http://www.sciencedirect.com/science/article/pii/S1876610217302862>

Spertino F, D'Angola A, Enescu D, Di Leo P, Fracastoro GV, Zaffina R. *Thermal–electrical model for energy estimation of a water cooled photovoltaic module*. *Solar Energy* 2016, vol. 133, pp. 119-140, ISSN: 0038-092X, WOS:000377733300012. <http://www.sciencedirect.com.ezproxy.biblio.polito.it/science/article/pii/S0038092X16300081>

D'Angola A, Zaffina R, Enescu D, Di Leo P, Fracastoro GV, Spertino F. *Best Compromise of Net Power Gain in a Cooled Photovoltaic System*. The 51st International Universities Power Engineering Conference, 6-9 September 2016, Coimbra, Portugal, ISBN 978-1-5090-4650-8, WOS:000466894400110 <https://ieeexplore.ieee.org/document/8114086>

Enescu D, Virjoghe EO. *A review on thermoelectric cooling parameters and performance*. *Renewable & Sustainable Energy Reviews* (Elsevier), volume 38, October 2014, pp. 903-916, ISSN: 1364-0321, WOS:000341676100071. <http://www.sciencedirect.com/science/article/pii/S1364032114004973>

D'Angola A, Zaffina R, Enescu D, Fracastoro G, Spertino F. *A New Photovoltaic–Thermal Hybrid Module: Thermal-Electric Model and Experimental Tests*. Power Engineering Conference (UPEC), 2014 49<sup>th</sup> International Universities, section PS01 Renewable Energy, 2-5 Sept. 2014, Cluj Napoca Romania, pp.1-6, INSPEC Accession Number: 14697797, ISBN: 978-1-4799-6556-4. WOS:000364087800031 [http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6934625&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D6934625](http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6934625&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6934625)

#### Book Editor

Enescu D. *Green Energy Advances*, INTECH Publishing; 2019, ISBN: 978-953-51-7162-1

#### Book Chapters

Enescu D. *Thermoelectric energy harvesting: Basic Principles and Applications*, in *Green Energy Advances*, Editor Diana Enescu, INTECH Publishing; 2019, ISBN: 978-953-51-7162-1. <https://mts.intechopen.com/books/process/aboutthebook/chapter/162652/book/7695>

Enescu D. *Thermoelectric refrigeration principle*, in *Bringing Thermoelectricity into Reality*, Editor Patricia Aranguren, INTECH Publishing; 2018, pp. 221-246. ISBN: 978-1-78923-441-1. <https://www.intechopen.com/books/bringing-thermoelectricity-into-reality/thermoelectric-refrigeration-principles>