LIST OF PROJECTS

A. Project Manager in Grants

[A1] TUCN Internal Project CI2017_IE_3: „*Soluții Eficiente de Modelare și Proiectare a Coridoarelor Complexe HVAC/HVDC de Transport și Distribuție a Energiei Electrice*" (en: *Efficient Modelling and Design Techniques for Complex HVAC/HVDC Power Distribution Corridors)*, **No. 1987/12.07.2017**, Internal Research, Development and Innovation Project 2017 Competition – Strategic research topics for young teams type 1.2, Technical University of Cluj-Napoca, **2017-2018**. (Buget: 20000 RON)

[A2] Post-Doctoral Scholarship POSDRU/159/1.5/S/137516, **PARTING** Research and Human Resources Grant, „*Ofertarea în Mediul Industrial a unor Soluții Moderne de Modelare, Predicție și Proiectare, cu Performanță Maximă, în Vederea Reducerii Impactului Curenților de Dispersie asupra Structurilor Metalice Supra și Subterane*" (en: *Offering to the Industrial Environment of Modern Modelling, Prediction and Design Solutions with Maximum Performance in the View of Impact Reduction of Eddy Currents on Above and Underground Metal Structures*), Technical University of Cluj-Napoca, **2014-2015**.

B. Member in Research Grants won through National or International Competition

[B1] Member in **„*SMEmPower Efficiency - A holistic framework for Empowering SME's capacity to increase their Energy Efficiency*"**, project funded by the EU **HORIZON 2020** innovation programme under grant agreement **H2020-LC-SC3-EE-2018 No. 847132/2019**, Technical University of Cluj-Napoca team, **2019-2022**.

[B2] Member in **„*Re-Cognition - Renewable Cogeneration and Storage Technologies Integration for energy Autonomous Buildings*"**, project funded by the EU **HORIZON 2020** innovation programme under grant agreement **H2020-LC-SC3-2018-RESTwoStages No. 815301/2019**, Technical University of Cluj-Napoca team, **2019-2022**.

[B3] Member in **„*Re-Cognition - Renewable Cogeneration and Storage Technologies Integration for energy Autonomous Buildings*"**, project funded by the EU **HORIZON 2020** innovation programme under grant agreement **H2020-LC-SC3-2018-RESTwoStages No. 815301/2019**, Technical University of Cluj-Napoca team, **2019-2022**.

[B4] **Member** in **UEFISCDI PN-III-P1-1.2-PCCDI-2017-0652** „TRADE-IT – Tehnologii inovative pentru Recuperarea Avansată a materialelor din Deșeuri de Echipamente Informatice și de Telecomunicații" (en: Innovative technologies for advanced recovery of waste materials from it and telecommunication equipment), National Research Grant, 2018-2021.

[B5] **Member** in ***„DR-BOB – Demand Response in Block of Buildings"***, project funded by the EU **HORIZON 2020** innovation programme under grant agreement **H2020-EE-2015-2-RIA No. 696114/2016**, Technical University of Cluj-Napoca team, **2016-2019**.

[B6] **Member** in ***„MEnS – Meeting of Energy Skills"***, project funded by the EU **HORIZON 2020** innovation programme under grant agreement **H2020-EE-2014-3-MU No. 649773/2014**, Technical University of Cluj-Napoca team, **2015-2017**.

[B7] **Member** in **CNCSIS PN-II-RU-TE-253/09.08.2010:** "*Soluții de modelare, predicție și proiectare, cu maxim de performanță, pentru reducerea impactului curenților de dispersie asupra conductelor metalice subterane de transport gaz*" (en: *Modelling, Prediction and Design Solutions, with maximum Effectiveness, for Reducing the Impact of Stray Currents on Underground Metallic Gas Pipelines*), National Research Grant, **2010-2012**.

[B8] **Member** in **CNCSIS PNCDI II 22122/2008:** „*CABDIAG: Sisteme de predicție și diagnoză inteligentă pentru creșterea siguranței în exploatare a rețelelor electrice de distribuție, prin prevenirea avariilor la cablurile de energie*" (en: Intelligent Diagnosis and Prediction Systems to increase the Safe Operation of Power Distribution Networks, by Preventing Power Cable Damages), National Research Grant, **2008-2010**.

[B9] **Member** in **CEEX, No. X2C37/2006**: „*ICEMECOS - Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor*" (en: The Impact of Anthropogenic Electromagnetic Fields on Ecosystems), National Research Grant, **2006-2009**.

C. Member in Grants with Industry

[C1] **Member** in **SDEE TN S.A.**, "*Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A pentru anul 2020*" (en: *Study Regarding the Evaluation of the Technological Power Loess in the Distributions Networks of the SDEE Transilvania Nord S.A. network operator for year 2020*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 4740/01.03.2018), from *SDEE Transilvania Nord S.A.*, Romania, **2021**. (Buget: 59500 RON)

[C2] **Member** in **SDEE TN S.A.**, "*Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A pentru anul 2019*" (en: *Study Regarding the Evaluation of the Technological Power Loess in the Distributions Networks of the SDEE Transilvania Nord S.A. network operator for year 2019*),

obtained by the ***Technical University of Cluj-Napoca*** (internal no. 4740/01.03.2018), from *SDEE Transilvania Nord S.A.*, Romania, **2020**. (Buget: 59500 RON)

[C3] Member in **SDEE TN S.A.**, "*Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A pentru anul 2018*" (en: *Study Regarding the Evaluation of the Technological Power Loess in the Distributions Networks of the SDEE Transilvania Nord S.A. network operator for year 2018*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 4740/01.03.2018), from *SDEE Transilvania Nord S.A.*, Romania, **2019**. (Buget: 59500 RON)

[C4] Member in **SDEE TN S.A. No. 4740/01.03.2018**, "*Studiu privind post-calculul consumului propriu tehnologic în rețelele de distribuție a operatorului de rețea concesionar SDEE Transilvania Nord S.A*" (en: *Study Regarding the Evaluation of the Technological Power Loess in the Distributions Networks of the SDEE Transilvania Nord S.A. network operator for year 2017*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 4740/01.03.2018), from *SDEE Transilvania Nord S.A.*, Romania, **2018**. (Buget: 133518 RON)

[C5] Member in **Servelect No. 33131/17.12.2018**, "Studii privind Prognoza CPT în Rețelele de Distribuție a Energiei pentru anul 2018" (en: Studies regarding Power Distribution Network's Internal Energy Losses Forecast for year 2018), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 33131/17.12.2018), from ***S.C. Servelect S.R.L.***, Cluj-Napoca, Romania, **2017-2018**. (Buget: 14560 RON)

[C6] Member in **Cluj-Napoca Municipality No. 99457/09.03.2016**, "*Serviciu de Management Energetic la Nivelul Orașului Cluj-Napoca*" (en: *Energy Management Service at the level of Cluj-Napoca City*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 99457/09.03.2016), from the ***City Municipality of Cluj-Napoca***, Romania, **2016**. (Buget: 12501 RON)

[C7] Member in **Servelect No. 77/08.12.2016**, "Studii privind Prognoza CPT în Rețelele de Distribuție a Energiei pentru anul 2017" (en: Studies regarding Power Distribution Network's Internal Energy Losses Forecast for year 2017), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 33047/08.12.2016), from ***S.C. Servelect S.R.L.***, Cluj-Napoca, Romania, **2016-2017**. (Buget: 24000 RON)

[C8] Member in **Teloptica No. 76/09.12.2016**, "Bilanț Electroenergetic" (en: *Power Balance Investigation*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 33048/08.12.2016), from ***Teloptica S.R.L.***, Cluj-Napoca, Romania, **2016**. (Buget: 6765 RON)

[C9] Member in **UTI Grup No. 10/07.10.2016**, "Raport de Audit Energetic - Evaluarea Eficienței Energetice" (en: *Energy Audit Report - Energy Efficiency Assessment*), obtained by the ***Technical University of Cluj-Napoca*** (internal no. 23927/07.10.2015), from ***Cluj-Napoca International Airport***, Romania, **2016**. (Budget: 46380 RON)

[C10] Member in "*Development of the Insulation Coordination and Grounding Analysis Technology for the Gas Insulated Substations*", obtained by ***University West of England***, Bristol, UK, from ***Hyundai Heavy Industries Co., Ltd.***, Ulsan, South Korea, **2014-2015**.

[C11] Member in **ROMATSA No. 3423/17.12.2012:**: "*Protecția Echipamentelor de la obiectivele DSNA Cluj și DR București Secția PNA/CNS Cluj la Supratensiuni și Impulsuri Electromagnetice cauzate de Trăsnete în Liniile de Electroalimentare și Circuitele Vocale și de Date*" (en: *DSNA Cluj and DR Bucharest – PNA/CNS Cluj Section's Equipment Protection from Overvoltage and Electromagnetic Impulses caused by Lightning Strikes to Power Lines and/or Telecommunication Circuit*s), obtained by the ***Technical University of Cluj-Napoca*** from ***Romatsa***, Romania, **2013-2014**.

[C12] Member in **ENERGOBIT No. 44/2012**: "*Interferențe Electromagnetice Induse în Ecranele unor Linii Electrice în Cablu*" (en: *Induced Electromagnetic Interferences in Electrical Power Cables*), obtained by the ***Technical University of Cluj-Napoca*** from ***Energobit***, Cluj-Napoca, Romania, **2012**.

[C13] Member in **TRANSGAZ No. 4/2011**: "*Studiul Coroziunii Conductelor de Transport Gaze Naturale, aflate sub Influența Liniilor Electrice Aeriene cu Tensiuni mai mari de 110 kV și Metode de Reducere. Măsurători in Situ și Validare Soft*" (en: *Natural Gas Transport Pipelines Corrosion Study due the Electromagnetic Interference Produced by over 110kV Overhead Power Lines and Mitigation Solutions. On site measurements and Software Validation*) obtained by the ***Technical University of Cluj-Napoca*** from ***Transgaz S.A.***, Mediaș, Romania, **2011-2012**.

[C14] Member in **TRANSGAZ No. 27/2010**: "*Studiul Coroziunii Conductelor de Transport Gaze Naturale, aflate sub Influența Liniilor Electrice Aeriene cu Tensiuni mai mari de 110 kV și Metode de Reducere. Studiu de caz.*" (en: *Natural Gas Transport Pipelines Corrosion Study due the Electromagnetic Interference Produced by over 110kV Overhead Power Lines and Mitigation Solutions. Case Studies*), obtained by the ***Technical University of Cluj-Napoca*** from ***Transgaz S.A.***, Mediaș, Romania, **2010-2011**.

Date: 14.01.2022 PhD. Eng. Levente CZUMBIL