

## ILIESCU Dragoș



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### Education

2011 - 2015

PhD, Industrial Engineering

University POLITEHNICA Bucharest

- Thesis: Contribuții la Studiul și Modelarea Managementului Asistat al Proceselor Industriale (*Contributions to the study and modelling of assisted management for industrial processes*).

1985 - 1991

Material Science, Specialisation of Plastic Deformation and Heat Treatment

University POLITEHNICA Bucharest

### Certification

2022

SR EN ISO/IEC 17025:2018, SR EN ISO 19011:2018 Auditor  
FIATEST SRL

2019

CQI/IRCA ISO 9001:2015 Lead Auditor  
Lloyd's Register Romania

2006

Skill-up course session – Management  
Hay Group Bucharest (<https://www.haygroup.com/ro>)

2000

Six Sigma  
General Electric, Prague, Czech Republic (Black Belt degree)

### Profession Experience

2021 Feb - Today

Associated Teaching Staff – Lecturer

UNST Politehnica Bucharest, Splaiul Independenței 313, București  
Faculty of Industrial Engineering and Robotics

- Technology Strategy Program

2021 Feb - Today

Quality Management - Manager of Integrated Management System

Nuclear NDT Research &amp; Services, Șoseaua Berceni 104, Bucharest

- Implied standards: SR EN ISO/IEC 17025:2018, SR EN ISO 9001, 14001:2015, SR EN ISO 45001:2023
  - QMS maintenance, QA Manual, System Procedures, Audit Programme.
  - External communication.
  - Continual improvement, proposal, implementation and evaluation
    - Project eLIMS (2023) – management information system

## 2018 Sep – 2020 May QA/QC Manager

Doosan IMGB, Şoseaua Berceni 104, Bucharest.

3 direct reporting subordinates, total team of 15 members.

- **QA Responsibilities:**
  - QMS maintenance: QA Manual, Quality Control Procedures, Internal Audit Programme; Reference ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007.
  - external communication with surveillance classes and external Laboratories;
  - continual improvement, proposal, implementation and evaluation;
    - DIMGB Context Dashboard – electronic system for context analysis (ISO 9001:2015, §4).
    - coaching of team members.
    - Process effectiveness and efficiency (KPI meeting) – monthly evaluation and reporting.
- **QC Responsibilities:**
  - Implied standard ISO 9001:2015, client specifications and legal requirements;
  - Final release of the manufactured products and quality documentation,
  - Closure approval of Non-Conformity Reports,
  - Approval of Certified Material Test Reports,
  - Continual improvement: proposal, implementation and evaluation;
  - Coaching of team members.

## Quality Control Manager

2015 Feb – 2018 Sep

Doosan IMGB, Şoseaua Berceni 104, Bucharest.

3 direct reporting subordinates, total team of 12 members.

- Final release of the manufactured products and quality documentation,
- Closure approval of Non-Conformity Reports,
- Approval of Certified Material Test Reports,
- Continual improvement: proposal, implementation and evaluation;
- Coaching of team members.

2006 Feb – 2015 Feb

## Quality Manager

Doosan IMGB (former Kvaerner IMGB), Şoseaua Berceni 104, Bucharest.

3 direct reporting subordinates, total team of 25 members.

- **QA Responsibilities:**
  - QMS approval: QA Manual, Quality Control Procedures, Internal Audit Programme; Reference ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007.
  - External communication with Laboratory – information flow design and management;

- Continual improvement, proposal, implementation and evaluation;
  - Project eNCR (2007) – information system for nonconforming product control;
  - Project eLAB (2010) – information system for communication with Laboratory;
  - Project eQSYS (2010) – QC information system;
  - Project eTFT (2014) – management of information flow - Task Force Team information system.
- **QC** Responsibilities:
  - Reference standard ISO 9001:2008, client specifications, legal requirements;
  - Final release of the manufactured products and quality documentation,
  - Closure approval of Non-Conformity Reports,
  - Approval of Certified Material Test Reports,
  - Continual improvement: proposal, implementation and evaluation;
- **NDE** Responsibilities:
  - Reference standard SNT-TC-1A.
  - Management of NDE operators training and certification.
  - Closure approval of Non-Conformity Reports.

2004 Oct – 2006 Feb

#### Quality Manager

Kvaerner IMGB, Şoseaua Berceni 104, Bucharest.

2003 Sep – 2004 Oct

#### Quality Assurance Senior Engineer

Kvaerner IMGB, Şoseaua Berceni 104, Bucharest.

### Research Experience (industrial and academic)

2000 – 2005

#### Application of Six Sigma methodology in industrial process optimisation

- Heat treatment optimisation – case study of subway axle made of the steel grade 34MoCrNi15XL (Kvaerner IMGB, Technical Report, 2000).
- Heat treatment process optimisation for hardening of heavy backup rolls (Kvaerner IMGB, Technical Report, 2001).
- (Lecturer) Six Sigma skill-up sessions for engineers (Kvaerner IMGB, 2001 & 2005).

2011 – 2014

#### Business Process Reengineering (BPR)

- In process testing of chemical composition on liquid steel – electronic framework implementation (Doosan IMGB, Project eLAB, 2011).
- Business process optimisation for raw material incoming inspection (Doosan IMGB, Project eWRH, 2014).

2007 - 2014

#### Application of Information systems on industrial manufacturing organisations

- Management of Nonconforming products (Doosan IMGB, Project eNCR, 2007).
- Operational framework for Quality Control activity (Doosan IMGB, Project eQSYS, 2010).
- Operational framework for Task Force Team (Doosan IMGB, Project eTFT, 2014).

- 2016 - 2018 Identity Criteria, Conformity Concepts, Knowledge Transfer and Learning Management Systems (Research project on Collaborative Academic Work)
- Collaborative Scientific Writing Between Writing Art and Project Management (in Handbook of Research on Student-Centred Strategies in Online Adult Learning Environments, IGI-Global, U.S.A. 2018).
  - Design of a Learning Management System for Romanian Higher Engineering Education (Publication, Oral Presentation and Best Paper Award on IManE&E 2017).
  - Knowledge transfer management as a learning process for ad hoc teams (Publication and oral presentation on ModTech 2017).
  - Identity Criteria, Knowledge Formation and Conformity Concept Developed in Learning Conceptual Space (Publication and oral presentation on ICVL 2017).
- 2021 - today Laboratory Information Management System (Project eLIMS)
- Some Considerations on Conceptual Modeling for a Laboratory Information Management System, 23rd International Carpathian Control Conference (on-line), IEEE, 2022.
  - Conceptual Modelling of a Laboratory's Products and Some Assisted Management Applications, International Journal of Advanced Statistics and IT&C for Economics and Life Sciences, Vol. 14(1), 2024.
- 2014 - 2024 Oral presentations on International Scientific Conferences (First Author)
- POSDRU (POSDRU/159/1.5/S/137390) National Conferences (University POLITEHNICA Bucharest, 2014 – 2015).
  - 18<sup>th</sup> International Conference on System Theory, Control and Computing (ICSTCC 2014).
  - 7<sup>th</sup> International Conference on Advanced Manufacturing Technologies (ICAMaT 2014).
  - 9<sup>th</sup> International Conference on Materials Science and Engineering (BraMat 2015).
  - 7<sup>th</sup> International Conference on Manufacturing Science and Education (MSE 2015).
  - 13<sup>th</sup> International Conference eLearning and Software for Education (eLSE 2015).
  - 14<sup>th</sup> International Conference eLearning and Software for Education (eLSE 2016).
  - 4<sup>th</sup> International Conference on Computing and Solutions in Manufacturing Engineering (CosME 2016).
  - 21<sup>st</sup> International Conference Innovative Manufacturing Engineering & Energy (IManE&E 2017).
  - 5<sup>th</sup> International Conference on Modern Technologies in Industrial Engineering (ModTech 2017).
  - 23<sup>rd</sup> International Conference Innovative Manufacturing Engineering & Energy (IManE&E 2019).
  - 23<sup>rd</sup> International Carpathian Control Conference (ICCC 2022).
  - 9<sup>th</sup> International Conference on Modelling and Development of Intelligent Systems (MDIS 2024).
  - 13<sup>th</sup> International Conference on Advanced Manufacturing Technologies (ICAMaT 2024)

### Awards

- Sectoral Operational Programme Human Resources Development (SOP HRD), financed from the European Social Fund and the Romanian Government under the contract number POSDRU/159/1.5/S/137390:
  - Fulfilling the indicator of published scientific papers,
  - Fulfilling the indicator of scientific presentations.
- 21<sup>st</sup> International Conference Innovative Manufacturing Engineering & Energy:
  - Best paper award, Section of Innovation, Creativity, Learning and Education in Engineering.

Nume Prenume: ILIESCU Dragoș

Gradul didactic: Șef lucrări

Instituția unde este titular: Nuclear NDT Research and Services SRL

Facultatea: IIR

Departamentul: TCM

## LISTA

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

1. Contribuții la studiul și modelarea managementului asistat al proceselor industriale, UNST Politehnica București, 2015.

#### B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Collaborative Scientific Writing Between Writing Art and Project Management, In: Handbook of Research on Student-Centered Strategies in Online Adult Learning Environments, IGI Global, 2018.

#### C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

##### C1. Lucrări indexate ISI (cu precizare WOS) în ordine descrescătoare a datei publicării

1. **Iliescu D.**, Some Considerations on Conceptual Modeling for a Laboratory Information Management System, 23<sup>rd</sup> International Carpathian Control Conference (ICCC), pp. 19-24, DOI: 10.1109/ICCC54292.2022.9805898, **2022**, WOS:000925203600004.
2. Gheorghe M., **Iliescu D.**, Mathematical Modelling of Product Representations, UNST Politehnica Sci. Bull. Series A - Applied Mathematics and Physics, **2019**, WOS:000501894000019.
3. **Iliescu D.**, Banciu F.V., Application of some ideas from the axiomatic design principles for construction of a learning management system in Romanian higher engineering education, 21<sup>st</sup> Innovative Manufacturing Engineering & Energy International Conference - IMANE&E 2017, DOI: 10.1051/mateconf/201711208002, **2017**, WOS:000579349600143.
4. **Iliescu D.**, Gheorghe M., Towards an information extraction and knowledge formation framework based on Shannon entropy, 4<sup>th</sup> International Conference on Computing and Solutions in Manufacturing Engineering - COSME'16, **2017**, WOS:000393034000076.
5. **Iliescu D.**, Gheorghe M., An Informational Modelling Viewpoint over the Product Conceptual Space, 12<sup>th</sup> International Scientific Conference on eLearning and Software for Education (eLSE), eLearning and Software for Education - eLearning Vision 2020, Vol. 1, pp. 97-102, **2016**, DOI:10.12753/2066-026X-16-014, WOS:000385395900014.



6. **Iliescu D.**, Ciocan I., Dijmarescu M.R., Gheorghe M., Collaborative Virtual Environment for Product Development Management, Rethinking Education by Leveraging the eLearning Pillar of the Digital Agenda for Europe, VOL. 3, DOI: 10.12753/2066-026X-15-184, 2015, WOS:000384471300004.

**C2. Lucrari indexate BDI (cu precizare ISSN/ISBN publicatie) in ordine descrescatoare a datei publicarii**

7. **Iliescu D.**, Conceptual Modelling of a Laboratory's Products and Some Assisted Management Applications, International Journal of Advanced Statistics and IT&C for Economics and Life Sciences, Vol. 14(1), 2024, ISSN: 2067-354X (accepted).
8. **Iliescu D.**, Dodun O., A Conceptual Modelling Study for a Learning Management System in Doctoral Schools, Journal of Research in Higher Education, Vol. 3(2), 2019, Online-ISSN: 2559-6624.
9. **Iliescu D.**, On knowledge transfer management as a learning process for ad hoc teams, IOP Conference Series: Materials Science and Engineering, Vol. 227(1), 2017, ISSN: 1757-899X.
10. **Iliescu D.**, Identity Criteria, Knowledge Formation and Conformity Concepts in Learning Space, Proceedings of the 12th International Conference On Virtual Learning, 2017, ISSN; ISSN-L: 1844-8933.

**D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate BDI)**

**- Reviste (neindexate BDI)**

**- Selecție cu maximum 20 lucrări în volume de conferințe (neindexate BDI)**

1. **Iliescu D.**, Elemente conceptuale privind proiectarea unui sistem asistat de certificare bazat pe recomandările SNT-TC-1A (Conceptual elements regarding the design of an assisted certification system based on SNT-TC-1A), Simpozionul Internațional ARoENd 2022.

**E. Brevete obținute în întreaga activitate**

**Data: 11.09.2024**

E – Brevete (pentru întreaga activitate)

**Semnătura:**

