



Universitatea
Transilvania
din Braşov

ADMITERE DOCTORAT 2020-2021

Sesiunea Septembrie 2020

**Şcoala Doctorală Interdisciplinară
(SDI)**

Domeniul de doctorat:

Inginerie industrială

Conducător doctorat:

Conf.dr.ing. Aurica Luminiţa PÂRV

TEME (TEMATICĂ) PENTRU CONCURS

TEMA 1: *Sisteme de fabricaţie sustenabile*

Bibliografie recomandată:

1. Hamrol, A., Kujawińska, A., Barraza, M.F.S., *Advances in Manufacturing II: Volume 2 - Production Engineering and Management*, Springer International Publishing, 2019
2. Stark, R., Seliger, G., Bonvoisin, J. (eds.) *Sustainable Manufacturing: Challenges, Solutions and Implementation Perspectives*, Springer, 2017
3. Pawlewski, P. and Greenwood, A. (eds.), *Process Simulation and Optimization in Sustainable Logistics and Manufacturing*, EcoProduction, Springer International Publishing, 2014

TEMA 2: *Lean 4.0*

Bibliografie recomandată:

1. Alves, A. C., Kahlen, F.-J., Flumerfelt, K., Siriban-Manalang, A.B., *Lean Engineering for Global Development*, Springer International Publishing, 2019
2. Davim, J. P., *Progress in Lean Manufacturing*, Springer International Publishing, 2018
3. Nicholas, J. M., *Lean production for competitive advantage a comprehensive guide to lean methods and management practices*, Taylor & Francis, CRC Press, 2018
4. Silva, F.J.G., Ferreira, L.C. P, *Lean Manufacturing: Implementation, Opportunities and Challenges: Implementation, Opportunities and Challenges (Manufacturing Technology Research) Hardcover*, 2019

TEMA 3: *Supply chain management*

Bibliografie recomandată:

1. Gupta, S., Starr, M. K., *Production and Operations Management Systems*, CRC Press, 2014
2. Krenczyk, D., Kalinowski, K., Grabowik, C., *Integration production planning and scheduling systems for determination of transitional phases in repetitive production, hybrid artificial intelligent systems*, Springer, Heidelberg, 2012

Conducător doctorat:

Pârv Aurica Luminiţa



Transilvania
University
of Brasov

ADMISSION TO DOCTORAL STUDIES

2020-2021

Session September 2020

**Interdisciplinary Doctoral School
(SDI)**

Field of doctoral studies:

Industrial engineering

PhD supervisor:

Assoc.prof.dr.eng. Aurica Luminița PÂRV

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: *Sustainable manufacturing systems*

Recommended bibliography:

1. Hamrol, A., Kujawińska, A., Barraza, M.F.S., *Advances in Manufacturing II: Volume 2 - Production Engineering and Management*, Springer International Publishing, 2019
2. Stark, R., Seliger, G., Bonvoisin, J. (eds.) *Sustainable Manufacturing: Challenges, Solutions and Implementation Perspectives*, Springer, 2017
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TOPIC 3: *Supply chain management*

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2. Krenczyk, D., Kalinowski, K., Grabowik, C., *Integration production planning and scheduling systems for determination of transitional phases in repetitive production, hybrid artificial intelligent systems*, Springer, Heidelberg, 2012

PhD supervisor:

Pârv Aurica Luminița