

Professor Sergiu Stelian ILIESCU, Ph.D.

List of scientific publications (2000-2016)

❖ Monographs, Book chapters (international publications)

1. Iulia Dumitru, Stéphane Ploix, Ioana Făgărășan, **S. St. Ilescu**, Advances in Intelligent Control Systems and Computer Science/ Book chapter: Energy Efficiency Dependency Analysis for a Data Center, Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN2194-5357; pp 307-321, 2013
2. Nicoleta Arghira, Stéphane Ploix, Ioana Făgărășan, **S. St. Ilescu**, Advances in Intelligent Control Systems and Computer Science/ Book chapter: Forecasting Energy Consumption in Dwellings ; Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN 2194-5357; pp 251-264, 2013
3. Daniela Hossu, Ioana Făgărășan, Andrei Hossu and **S. St. Ilescu**, Nuclear Power Plants, Book Chapter: Evolved Fuzzy Control System for a Steam Generator; edited by Soon Heung Chang, ISBN 978-953-51-0408-7, DOI: 10.5772/34497, pag.19-36 InTech, March 3, 2012
4. **S. St. Ilescu**, Făgărășan Ioana, Dumitru Iulia, Arghira Nicoleta, Introduction dans la theorie du reglage automatique – Session de Formation pour DGGT – Brazzaville, Congo (F), Fichtner (6916A08/FICHT-6198557-v1), Germany, 2010

❖ Monographs, Book chapters (national publications)

1. **S. St. Ilescu**, Ioana Făgărășan, Clement FESTILA, Ioan DUMITRACHE – Automatizari in energetica, cap. 31, **AUTOMATICA vol. III**, Publishing House of Romanian Academy, Bucharest, 2016, ISBN 978-973-27-2613-6
2. V., Tudor, **S. St. Ilescu**, Nicoleta Arghira, Ioana Făgărășan, Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul Studiu de caz: Optimizarea rețelilor de distributie a energiei electrice cu algoritmi genetici, Editura Printech, Bucuresti, 2015, ISBN 978-606-23-0506-2, Pag.: 147-152
3. Daniela Hossu, Ioana Făgărășan, **S. St. Ilescu**, Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul Studiu de caz: Solutie de control a cazanelor cu abur utilizand tehnica fuzzy, Editura Printech, Bucuresti, 2015, ISBN 978-606-23-0506-2, Pag.: 153-162
4. **S. St. Ilescu**, Ioana Făgărășan, Modelarea si simularea rețelilor de joasa tensiune cu productie din surse distribuite de energie/ Capitolul-Modelarea si simularea microturbinelor eoliene, Editura Matrix Rom, Bucuresti, 2013, ISBN 978-606-25-0036-8, Nr. Pag.: 20
5. Iulia Dumitru, G. Stamatescu, Nicoleta Arghira, Ioana Făgărășan, **S. St. Ilescu**, V. Calofir, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Modelarea și monitorizarea sistemului de răcire pentru un centru de date, Matrix Rom, ISBN 978-606-25-0025-2
6. **S. St. Ilescu**, Ioana Făgărășan, Arghira Nicoleta, Dumitru Iulia, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Abordarea sistemică a reglajului automat frecvență-putere activă într-un sistem electroenergetic interconectat, Matrix Rom, ISBN 978-606-25-0025-2
7. **S. St. Ilescu**, Făgărășan Ioana, Dumitru Iulia, Arghira Nicoleta, Stamatescu Grigore, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educaționale multifuncționale, Matrix Rom, ISBN 978-606-25-0025-2
8. Făgărășan Ioana, **S. St. Ilescu**, Dumitru Iulia, Arghira Nicoleta, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Detectia defectelor în cazul instalațiilor cu schimb de căldură, Matrix Rom, ISBN 978-606-25-0025-2
9. Făgărășan Ioana, **S. St. Ilescu**, Dumitru Iulia, Arghira Nicoleta, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Metode de detecție a defectelor bazate pe model, Matrix Rom, ISBN 978-606-25-0025-2

10. Arghira Nicoleta, Făgărășan Ioana, **S. St. Iliescu**, Dumitru Iulia, Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Centrale electrice virtuale, Matrix Rom, ISBN 978-606-25-0025-2
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