

Raport de cercetare

Perioada ianuarie-decembrie 2020

Centrul de Cercetare SISTEME INTELIGENTE

a) Articole stiintifice

-ISI

Nr.	Titlul articolului, autori, Jurnal, Numar, pagini	Factor de impact
1	SDN based communications privacy-preserving architecture for VANETs using fog computing Arif Muhammad, Wang Guojun, Balas Valentina Emilia , Geman Oana, Castiglione Aniello, Chen Jianer, VEHICULAR COMMUNICATIONS, Volume: 26 Article Number: 100265 DOI: 10.1016/j.vehcom.2020.100265 Published: DEC 2020 ISSN: 2214-2096 Accession Number: WOS:000599317700011	Q1 IF=4,706
2	Adaptive Takagi-Sugeno Fuzzy Model Predictive Control for Permanent Magnet Synchronous Generator-Based Hydrokinetic Turbine Systems Lin Yu-Chen, Balas Valentina Emilia , Yang Ji-Fan, Chang Yu-Heng ENERGIES Volume: 13 Issue: 20 Article Number: 5296 DOI: 10.3390/en13205296 Published: OCT 2020 eISSN: 1996-1073 Accession Number: WOS:000585133800001	Q3 IF=2,703
3	Simulation, Analysis, and Characterization of Calcium-Doped ZnO Nanostructures for Dye-Sensitized Solar Cells Tayyaba Shahzadi, Ashraf Muhammad Waseem, Tariq Muhammad Imran, Akhlaq Maham, Balas Valentina Emilia , Wang Ning, Balas Marius M. ENERGIES Volume: 13 Issue: 18 Article Number: 4863 DOI: 10.3390/en13184863	Q3 IF=2,703

	Published: SEP 2020 eISSN: 1996-1073 Accession Number: WOS:000580683100001	
4	A Novel Fuzzy Scoring Approach of Behavioural Interviews in Personnel Selection Rad Dana, Balas Valentina E. BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE Volume: 11 Issue: 2 Pages: 178-188 DOI: 10.18662/brain/11.2/81 Published: JUN 2020 ISSN: 2067-3957 Accession Number: WOS:000591531000011	ESCI IF=0
5	Active Control Parameters Monitoring for Freight Trains, Using Wireless Sensor Network Platform and Internet of Things Brezulianu Adrian, Aghion Cristian, Hagan Marius, Geman Oana, Chiuchisan Iuliana, Balan Alexandra-Ligia, Balan Doru-Gabriel, Balas, Valentina Emilia PROCESSES Volume: 8 Issue: 6 Article Number: 639 DOI: 10.3390/pr8060639 Published: JUN 2020 eISSN: 2227-9717 Accession Number: WOS:000551224100001	Q2 IF=2,753
6	Statistical Properties of a New Social Media Context Awareness Scale (SMCA)-A Preliminary Investigation Rad Dana, Balas Valentina , Lile Ramona, Demeter Edgar, Dughi Tiberiu, Rad Gavril SUSTAINABILITY Volume: 12 Issue: 12 Article Number: 5201 DOI: 10.3390/su12125201 Published: JUN 2020 eISSN: 2071-1050 Accession Number: WOS:000550357000001	Q2 IF=2,576
7	A Review of Control-Oriented Bioelectrochemical Mathematical Models of Microbial Fuel Cells Deb Dipankar, Patel Ravi, Balas Valentina E. PROCESSES Volume: 8 Issue: 5 Article Number: 583 DOI: 10.3390/pr8050583 Published: MAY 2020 Document Type: Review eISSN: 2227-9717 Accession Number: WOS:000541752600047	Q2 IF=2,753
8	SDN-based VANETs, Security Attacks, Applications, and Challenges	Q2

	<p>Arif Muhammad, Wang Guojun, Geman Oana, Balas Valentina Emilia, Tao Peng, Brezulianu Adrian, Chen Jianer APPLIED SCIENCES-BASEL Volume: 10 Issue: 9 Article Number: 3217 DOI: 10.3390/app10093217 Published: MAY 2020 Document Type:Review eISSN: 2076-3417 Accession Number: WOS:000535541900230</p>	IF=2,474
9	<p>Prioritization of Information Security Controls through Fuzzy AHP for Cloud Computing Networks and Wireless Sensor Networks Tariq Muhammad Imran, Ahmed Shakeel, Memon Nisar Ahmed, Tayyaba Shahzadi, Ashraf Muhammad Waseem, Nazir Mohsin, Hussain Akhtar, Balas Valentina Emilia, Balas Marius M. SENSORS Volume: 20 Issue: 5 Article Number: 1310 DOI: 10.3390/s20051310 Published: MAR 2020 Document Type:Article eISSN: 1424-8220 Accession Number: WOS:000525271500072</p>	Q1 IF=3,275
10	<p>A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System Ashraf Naveed, Izhar Tahir, Abbas Ghulam, Awan Ahmed Bilal, Alghamdi Ali S., Abo-Khalil Ahmed G., Sayed Khairy, Farooq Umar, Balas Valentina E. ELECTRONICS Volume: 9 Issue: 3 Article Number: 430 DOI: 10.3390/electronics9030430 Published: MAR 2020 Document Type:Article eISSN: 2079-9292 Accession Number: WOS:000524079100051</p>	Q2 IF=2,412
11	<p>Performance optimisation for closed loop control strategies towards simplified model of a PMSM drive by comparing with different classical and fuzzy intelligent controllers. Sain Chiranjit, Banerjee Atanu, Biswas Pabitra Kumar, Balas Valentina Emilia INTERNATIONAL JOURNAL OF AUTOMATION AND CONTROL Volume: 14 Issue: 4 Pages: 469-493 Published: 2020 Document Type:Article ISSN: 1740-7516 eISSN: 1740-7524</p>	ESCI IF=0

	Accession Number: WOS:000551978000005	
12	<p>Fault tolerance of neural networks in adversarial settings Duddu Vasisht, Pillai N. Rajesh, Rao D. Vijay, Balas Valentina E. JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 38 Issue: 5 Pages: 5897-5907 DOI: 10.3233/JIFS-179677 Published: 2020 Document Type: Article ISSN: 1064-1246 eISSN: 1875-8967 Accession Number: WOS:000541708200054</p>	<p>Q3 IF=1,851</p>
13	<p>Adaptive prediction-based control for an ecological cruise control system on curved and hilly roads Lin Yu-Chen, Ha Ly Thi Nguyen, Balas Valentina Emilia, Lin Tsung-Chih, Kuo I-Chun JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 38 Issue: 5 Pages: 6129-6144 DOI: 10.3233/JIFS-179696 Published: 2020 Document Type: Article ISSN: 1064-1246 eISSN: 1875-8967 Accession Number: WOS:000541708200073</p>	<p>Q3 IF=1,851</p>
14	<p>Optimization of communication in VANETs using fuzzy logic and artificial Bee colony Arif Muhammad, Wang Guojun, Peng Tao, Balas Valentina Emilia, Geman Oana, Chen Jianer JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 38 Issue: 5 Pages: 6145-6157 DOI: 10.3233/JIFS-179697 Published: 2020 Document Type: Article ISSN: 1064-1246 eISSN: 1875-8967 Accession Number: WOS:000541708200074</p>	<p>Q3 IF=1,851</p>
15	<p>A New Single-Phase AC Voltage Converter With Voltage Buck Characteristics for Grid Voltage Compensation Ashraf Naveed, Izhar Tahir, Abbas Ghulam, Awan Ahmed Bilal, Farooq Umar, Balas Valentina E. IEEE ACCESS Volume: 8 Pages: 48886-48903 DOI: 10.1109/ACCESS.2020.2979506 Published: 2020</p>	<p>Q1 IF=3,745</p>

	Document Type:Article Accession Number: WOS:000524728000003 ISSN: 2169-3536	
16	Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Hydro-Turbine Governor Design Lin Yu-Chen, Balas Valentina Emilia , Balas Marius Mircea , Peng Jian-Zhang ENERGIES Volume: 13 Issue: 1 Article Number: 126 DOI: 10.3390/en13010126 Published: JAN 2020 Document Type:Article eISSN: 1996-1073 Accession Number: WOS:000520425800126	Q3 IF=2,703
17	Volumetric Estimation of the Damaged Area in the Human Brain from 2D MR Image Srinivasu P. Naga, Rao T. Srinivasa, Balas Valentina Emilia INTERNATIONAL JOURNAL OF INFORMATION SYSTEM MODELING AND DESIGN Volume: 11 Issue: 1 Pages: 74-92 Special Issue: SI DOI: 10.4018/IJISMD.2020010105 Published: JAN-MAR 2020 Document Type:Article ISSN: 1947-8186 eISSN: 1947-8194 Accession Number: WOS:000518413300006	ESCI IF=0
18	Computational human performance modelling for human-in-the-Loop machine systems Kolivand, H. , Balas, V.E. , Paul, A. , Ramachandran, V. Journal of Intelligent and Fuzzy Systems, 2020, 39(4), pp. 5349–5357 ISSN: 1064-1246 eISSN: 1875-8967	Q3 IF=1,851
19	Lin Tsung-Chih, Chen Pin-Fan, Chen Wei-Kai, Dey Rajeeb, Balas Marius M. , Olariu Teodora, Wong Wai-Shing. JOURNAL OF INTELLIGENT & FUZZY SYSTEMS Volume: 38 Issue: 5 Pp: 6175-6184 DOI: 10.3233/JIFS-179699	Q3 IF=1,851

-ISI Proceedings

-BDI

1. Motion Prediction for Autonomous Vehicles from Lyft Dataset using Deep Learning

Mandal S., Biswas S., Balas V.E., Shaw R.N., Ghosh A.

2020 IEEE 5th International Conference on Computing Communication and Automation, ICCCA 2020, 2020, pp. 768–773, 9250790

2. A review on medical image analysis with convolutional neural networks

Bir P., Balas V.E.

2020 IEEE International Conference on Computing, Power and Communication Technologies, GUCON 2020, 2020, pp. 870–876, 9231203

3. Prediction analysis of idiopathic pulmonary fibrosis progression from OSIC dataset

Mandal S., Balas V.E., Shaw R.N., Ghosh A.

2020 IEEE International Conference on Computing, Power and Communication Technologies, GUCON 2020, 2020, pp. 861–865, 9231239

-alte tipuri de publicatii

b) Comunicari cu rezumate publicate la conferinte/simpozioane stiintifice:

- Internationale

- ISI Proceedings

- Nationale

- Studentesti

- Alte tipuri de comunicari

c) Brevete de inventie, inovatie:

- Internationale
- Nationale

d) Carte/Capitol de carte publicate sau trimise spre publicare in edituri:

- Internationale

Carti de specialitate – co-autor

1. Adaptive and Intelligent Control of Microbial Fuel Cells

Ravi Patel, Dipankar Deb, Rajeeb Dey, Valentina E. Balas

ADAPTIVE AND INTELLIGENT CONTROL OF MICROBIAL FUEL CELLS

Book Series: Intelligent Systems Reference Library

Volume: 161

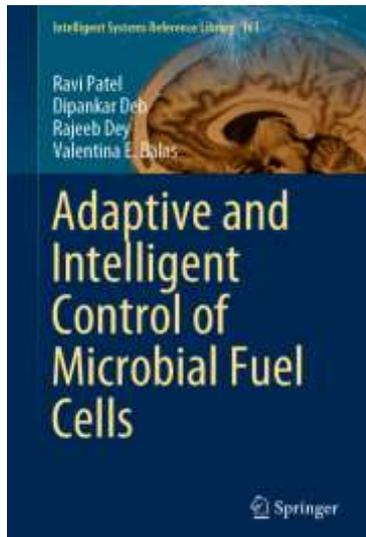
Pages: 1-121

DOI: 10.1007/978-3-030-18068-3, ISBN 978-3-030-18068-3

Published: 2020

Document Type: Book, Springer

<https://link.springer.com/book/10.1007/978-3-030-18068-3>



2. "Fractional Modeling and Controller Design of Robotic Manipulators With Hardware Validation"

Editors:

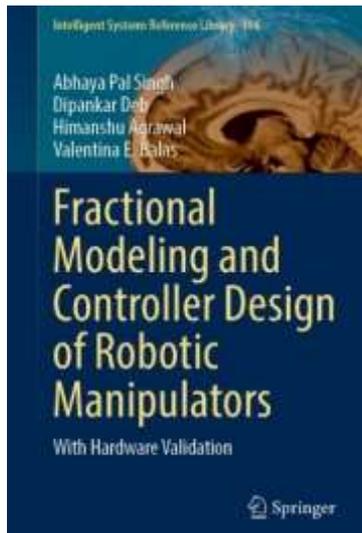
Abhaya Pal Sing - INDIA

Dipankar Deb - INDIA

Himanshu Agrawal - INDIA

Valentina E. Balas - ROMANIA

<https://www.springer.com/gp/book/9783030582463>



Capitole de Carte de specialitate

1. [A systematic approach for identification of tumor regions in the human brain through HARIS algorithm](#)

Naga Srinivasu, P., Srinivasa Rao, T., **Balas, V.E.**

Deep Learning Techniques for Biomedical and Health Informatics, 2020, pp. 97–118

2. [Deep learning techniques for optimizing medical big data](#)

Tariq, M.I., Tayyaba, S., Ashraf, M.W., **Balas, V.E.**

Deep Learning Techniques for Biomedical and Health Informatics, 2020, pp. 187–211

3. [Towards Intelligent Optimization of Design Strategies of Cyber-Physical Systems: Measuring Efficacy Through Evolutionary Computations](#)

Banerjee, S., **Balas, V.E.**, Pandey, A., Bouzefrane, S.

Studies in Computational Intelligence, 2020, 872, pp. 73–101

4. [A case study: impact of Internet of Things devices and pharma on the improvements of a child in autism](#)

Afzal, Muhammad Javaid; Tayyaba, Shahzadi; Ashraf, Muhammad Waseem; Javaid, Farah; Balas, Valentina Emilia,

EMERGENCE OF PHARMACEUTICAL INDUSTRY GROWTH WITH INDUSTRIAL IOT APPROACH, Page 49-83, Published 2020

- Nationale
- Alte tipuri de publicatii

e) Aplicatii de proiecte de cercetare/Proiecte de cercetare in derulare castigate in

competitii internationale/nationale

Se noteaza titlul proiectului, directorul/membrii din echipa de cercetare, competitia, suma (pentru proiectele in derulare).

Contracte:

Valentina Balas

1. Membru: *BioCell-Nano ART=Novel Bio-inspired Cellular Nano-architectures* (Ianuarie-August).
2. *Responsabil partener la proiectul Cooperare europeana si internationala PN 3- P3-544/16.07.2018*, Proiect bilateral cu China (2 ani).
3. Coordonator; Proiect cu Ministerul Educatiei pentru finantarea Sesiunii Stiintifice Studentesti 2020 la Facultatea de Inginerie
4. Membru in Contractul de cercetare nr. 10 cu numar de inregistrare 4693/16.07.2019 intre Universitatea Aurel Vlaicu si SC Contact Plus SRL Arad: *Promovarea agriculturii în mediul urban: modele matematice și soluții concrete*, director de proiect Marius Balas.

Marius Balas

1. Director de proiect: *Promovarea Agriculturii în mediul urban: modele matematice și soluții concrete*, Contractul de cercetare nr. 10 cu numar de inregistrare 4693/16.07.2019 intre Universitatea Aurel Vlaicu si SC Contact Plus SRL Arad, valoare. 42.500 lei.
2. Membru: *BioCell-Nano ART=Novel Bio-inspired Cellular Nano-architectures* (Ianuarie-August).

Conferințe invitate:

Valentina E. Balas

1. Keynote Speaker and Chair a Session to the 14th Symposium on Advances in Science and Technology, Mashhad, IRAN, online conference, Title: Research on Computational Intelligence Methods and Practical Applications, 4 January 2020,
<http://14thsastech.khi.ac.ir/>
<http://14thsastech.khi.ac.ir/data1/SASTech2019 Presentations.pdf>

2. Keynote Speaker to 2nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020), January 22-24, 2020, Alagappa University, Karaikudi, INDIA, Title: Advances Computing Paradigms and New Computational Intelligence-Based Research
<http://www.icmmcmse.org/>
https://www.alagappauniversity.ac.in/uploads/notifications/1576151002_Brochure_Final_-_2-converted-merged.pdf
<https://fixedpointkmutt.wordpress.com/2020/01/23/professor-poom-kumam-one-of-keynote-speaker-from-thailand-for-the-international-conference-on-mathematical-modeling-and-computational-methods-in-science-and-engineering-icmmcmse-2019-january-22-24/>
3. Invited Speaker to The 2nd International Conference on ICT for Digital, Smart, and Sustainable Development, February 27-28, 2020, Department of Computer Science & Engineering , School of Engineering Sciences & Technology, Jamia Hamdard (Deemed to be University), New Delhi, INDIA, Title: Advances Computing Paradigms and New Computational-Based Research Paradigms.
<http://www.jamiahamdard.ac.in/icidssd/com.html>
4. February 28 - Invited Speaker to International Conference on Electrical and Electronics Engineering at National Power Training Institute HQ, India, ICEEE 2020.
www.iceee.in
 Speech of Guest of Honour: Prof. Valentina E. Balas , Full Professor, “Aurel Vlaicu” University of Arad, Romania, Title: Passive Greenhouse.
5. Keynote Speaker to: International Conference on Applications of AI & Machine Learning, ICAML-2020, 21-22 May 2020, Organized by: Department of Computer Science & Engineering, Punjabi University, Patiala, India, online conference.
 Title: New Challenges in Bio-Inspired Architectures for Nanotechnology
<http://icaml.in/keynote-speakers/>
<https://icaml.in/advisory-committee/>
6. Keynote Speaker to International webinar „ Applications of Deep Learning on COVID – 19, Diagnosis and Treatment” conducted by Department of Computer science and Engineering School of Engineering science and Technology Jamia Hamdard New Delhi, 30 mai 2020.
 Title: Recent developments in Deep Learning for Detection of COVID – 19
<https://www.facebook.com/jamiahamdardofficial/posts/2978103012447443>
<https://www.facebook.com/jamiahamdardofficial/>
7. Keynote to Indian Institute of Finance Webinar Workshop & Faculty Development Program (FDP) on "How to Research and Publish" on June 2nd, 2020, Title: Publish or Perish, Indian Institute of Finance www.iif.edu
8. Special Guest – Keynote Speaker on the inaugural ceremony of International Conference on Modelling Simulation and Optimization (CoMSO-2020), 03-05, August 2020, at NIT Silchar, INDIA.

<http://comso.nits.ac.in/>

9. Invited Talk for Technical Session – Eight “CRABBING ETHICAL PRACTICES: PLAGIARISM AND RESEARCH INTEGRITY”, to 6th Online International Conference on Digital Learning and Innovations in Libraries, (ICDLIL 2020), organized by Association of Indian Law Libraries in association with National Law University Delhi, Chanakya National Law University, Patna and Modern Rohini Education Society, New Delhi, 6th September, 2020.
Title: Digital Learning
<https://icdlil2020.webs.com/>
<http://www.learningstages.in/speaker-icdlil-2020/>
10. Inaugural Session: ICCCA-2020 5th IEEE International Conference on Computing, Communication and Automation jointly organized by Galgotias University, India and Aurel Vlaicu University of Arad, Romania on October 30-31, 2020.
https://www.youtube.com/watch?v=SZWsm_gfDbk
11. Keynote Speaker to International Webinar Series on COVID-19 Pandemic “Making Informed Decisions in Response”, Thursday, 26th Nov. 2020, Kharazmi University, Tehran, IRAN.
Title: Recent Developments in Deep Learning for Detection of COVID-19
<https://khu.ac.ir/content/59015/International-Webinar-Series-on-COVID-19-Pandemic>
12. Invited Speaker to The 19th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2020), Guangzhou, China, December 29, 2020 - January 1, 2021
Organizer: Guangzhou University, CHINA
Title: Future Generation of Computer Technologies and AI Hardware
<http://www.ieee-trustcom.org/C4W2020/>
<http://ieee-trustcom.org/share2020/AdvanceProgram.pdf>
13. 25-26 December - Special Invitee to Inaugural Session and Keynote Speaker at the 5th International Conference on Soft Computing: Theory and Applications, SoCTA 2020, 25-27 December 2020, INDIA.
Title: Fuzzy-Interpolative Switching Techniques
<http://socta.in/index.php>
<http://socta.in/speakers.php#7>
14. Keynote Speakers to the 3rd International Conference of Computer Science and Renewable Energies “ICCSRE’2020”, 22-24 December 2020, Agadir, MOROCCO.
Title: Systems Engineering and the Top-Down Approach
<https://iccsre2020.akrit.org/>
<https://iccsre2020.akrit.org/keynote-speakers/>
15. 3rd Edition of the International Conference on Advanced Intelligent Systems for Sustainable Development Applied to Education, Agriculture, Energy, Health ,

Environment, Industry, Economy and Security. 21-26 December 2020, Tangier, MOROCCO.

Invited Speaker to Webinar: Future Global Economy with the new technology generation of four industrial revolution to Industry 4.0

Title: The Fourth Industrial Revolution – Industry 4.0 - is driving manufacturing into the future

<http://www.ai2sd.com/>

<https://www.facebook.com/ai2sd/>

16. Keynote address to International Conference on Research and Applications in Artificial Intelligence RAAI - 2020, 19-20 December 2020, organized by Department of Information Technology, RCC Institute of Information Technology, Kolkata, A Unit of an Autonomous Society of Department of Higher Education. Govt. of West Bengal, INDIA.

Title: New Applications in AI

<https://raai.rcciit.org/>

17. Keynote to the 3rd International Conference on Computational Advancement in Communication Circuits and Systems (ICCACCS 2020), 17-19 December, 2020, Narula Institute of Technology, Agarpara, Kolkata, India.

Title: New Trends in Future Generation of Computer Technologies and AI Hardware

<https://www.nit.ac.in/ICCACCS-2020/index.php>

18. Keynote Speaker to The 2nd International Conference on Soft Computing and its Engineering Applications (icSoftComp2020), December 11-12, 2020, Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat, INDIA

Title: Soft Computing Paradigms and Practical Applications

<https://www.charusat.ac.in/icSoftComp2020/index.php>

https://www.youtube.com/watch?v=VNBO_0fs9U8&t=1820s

19. Keynote Speaker in the Inauguration Ceremony of the conference with title:

"Recent Development in AI & Robotics" to Baba Farid College of Engineering and Technology, 7-12 December, 2020, Bathinda, INDIA.

https://m.facebook.com/BabaFaridGroup/photos/a.212291678783623/3782856938393728/?type=3&eid=ARBn0_ZjTmI-

[aAUGg_Zgetu0h45ucEqvXalDQENKqFgQ88BivoUHDg9XrrOQlkGppaX-P7MkAsrFKhOm](https://m.facebook.com/BabaFaridGroup/photos/a.212291678783623/3782856938393728/?type=3&eid=ARBn0_ZjTmI-aAUGg_Zgetu0h45ucEqvXalDQENKqFgQ88BivoUHDg9XrrOQlkGppaX-P7MkAsrFKhOm)

<https://www.youtube.com/watch?v=xXE45hOkBvU>

20. Plenary Talk to International Conference on Computational Techniques & Intelligent Machines (ICCTIM2020) held on November 26-28 to Department of Mathematics, Baba Farid College, Bathinda, INDIA.

<https://babafaridgroup.edu.in/ICCTIM->

[2020/plenary_speakers.html?fbclid=IwAR3k6I9B0au8nfUE37_uqO5w7UXLwjV-TaSfY7_WGZ4C0PPyILZ36ZjVYnUI](https://babafaridgroup.edu.in/ICCTIM-2020/plenary_speakers.html?fbclid=IwAR3k6I9B0au8nfUE37_uqO5w7UXLwjV-TaSfY7_WGZ4C0PPyILZ36ZjVYnUI)

21. Conference SPECTRUM 2020, IEM Kolkata, INDIA, 3rd International Students' Conference on Current Advancements in Science & Technology, organized by **Institute of Engineering & Management, Kolkata** in collaboration with **Society of Physics Students(SPS) Chapter American Institute of Physics**
Title: Advanced Soft Computing Methods: Design and Practical Applications
http://iem-spectrum.org/?fbclid=IwAR3dvf9brusK_-9KQw30bOKMqS5-EWEG9Hr6voUA1mULh5ANe3RQTL9kSU
<http://iem-spectrum.org/page6.html>

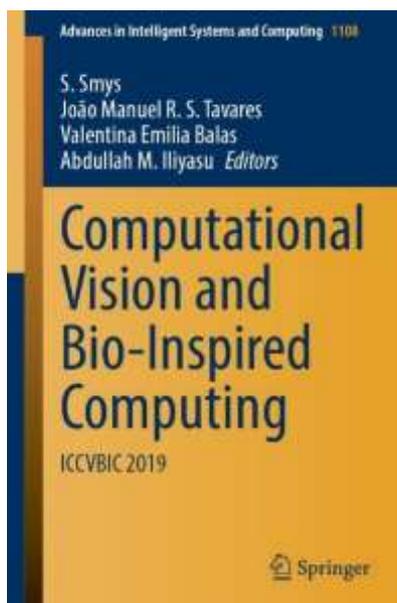
Marius M. Balas

1. *Systems Engineering and The Top-Down Approach*. International Conference of Computer Science and Renewable Energies (ICCSRE'20), Agadir, Maroc. 2020-12-22.
2. *Integrated and Intelligent Rooftop Greenhouses*. Integrated and Intelligent Rooftop Greenhouses - St Albert's College, Kochi, Kerala, India. 2020-09-29.
3. *Fuzzy-Interpolative Systems and Applications*. IEEE Hyderabad, India - A Webinar on Fuzzy Interpolative Systems and Applications. 2020-04-23.
4. *Integrated&Intelligent Rooftop Greenhouses*. Virtual Conference in Communication, Devices & Networking by SMIT, Sikkim Manipal, Rangpo, India. 2020-12-19.

Edited Books – Valentina si Marius Balas

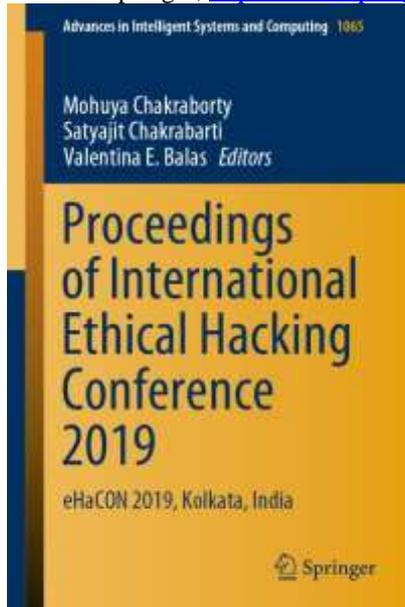
1. Computational Vision and Bio-Inspired Computing, ICCVBIC 2019
Editors: S. Smys, [João Manuel RS Tavares](#), Valentina E. Balas, Abdullah M. Ilyasu,
Springer

<https://www.springer.com/gp/book/9783030372170#aboutBook>

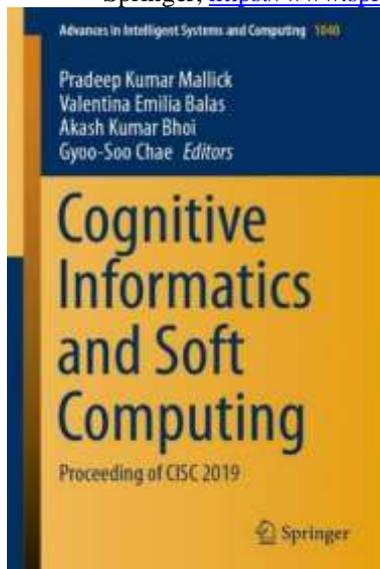


2. Proceedings of International Ethical Hacking Conference 2019, eHaCON 2019, Kolkata, India,
Editors: Mohuya Chakraborty, Satyajit Chakrabarti, Valentina E. Balas.

Springer, <https://www.springer.com/gp/book/9789811503603>



3. Cognitive Informatics and Soft Computing - Proceeding of CISC 2019
Editors:
Pradeep Kumar Mallick - INDIA.
[Valentina Emilia Balas](#) - ROMANIA.
Akash Kumar Bhoi - INDIA.
Gyoo-Soo Chae - SOUTH KOREA
Springer, <https://www.springer.com/gp/book/9789811514500>



4. **Supervised Machine Learning in Wind Forecasting and Ramp Event Prediction,**
Authors: Harsh Dhiman Dipankar Deb Valentina Emilia Balas
Elsevier

<https://www.elsevier.com/books/supervised-machine-learning-in-wind-forecasting-and-ramp-event-prediction/dhiman/978-0-12-821353-7>



5. "Intelligent Techniques and Applications in Science and Technology"

Editors:

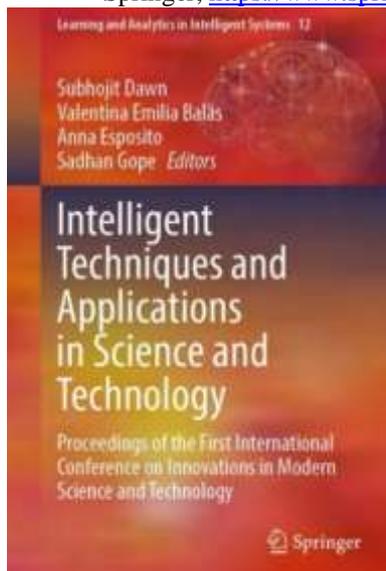
[Subhojit Dawn](#) - INDIA

[Valentina Emilia Balas](#) - ROMANIA

Anna Esposito - ITALY

[Sadhan Gope](#) - INDIA

Springer, <https://www.springer.com/gp/book/9783030423629#aboutBook>



6. An Industrial IoT Approach for Pharmaceutical Industry Growth, vol. 2

Editors: [Valentina Emilia Balas](#), Vijender Kumar Solanki, [Dr-Raghvendra Kumar Agrawal](#)

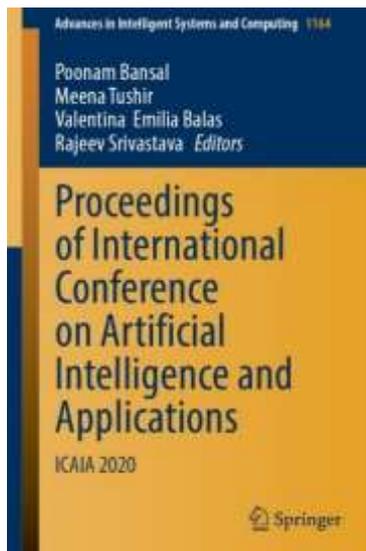
Elsevier, https://www.elsevier.com/books/an-industrial-iot-approach-for-pharmaceutical-industry-growth/balas/978-0-12-821326-1?fbclid=IwAR3vi7vyft716fFqChChMFv7nC-RG4J_d-gM5z4ng4Ehe_nkPbLCwmvxQM



7. A new book in IOS Press with papers selected from the 4th International Conference on Information Technology and Intelligent Transportation Systems (ITITS 2019), Xi'an, China.
<http://ebooks.iospress.nl/ISBN/978-1-64368-061-3>



8. A recent book in Springer: Proceedings of International Conference on Artificial Intelligence and Applications, ICAIA 2020
Editors: Poonam Bansal - India
Meena Tushir - India
[Valentina Emilia Balas](https://www.springer.com/us/book/9789811549915) - Romania
Rajeev Srivastava - India
<https://www.springer.com/us/book/9789811549915>



9. "An Industrial IoT Approach for Pharmaceutical Industry Growth",
1st Edition, Volume 2

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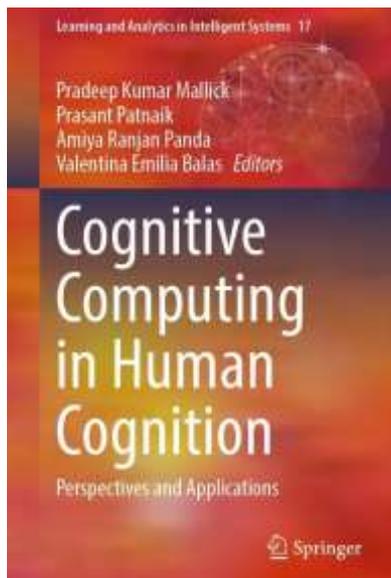


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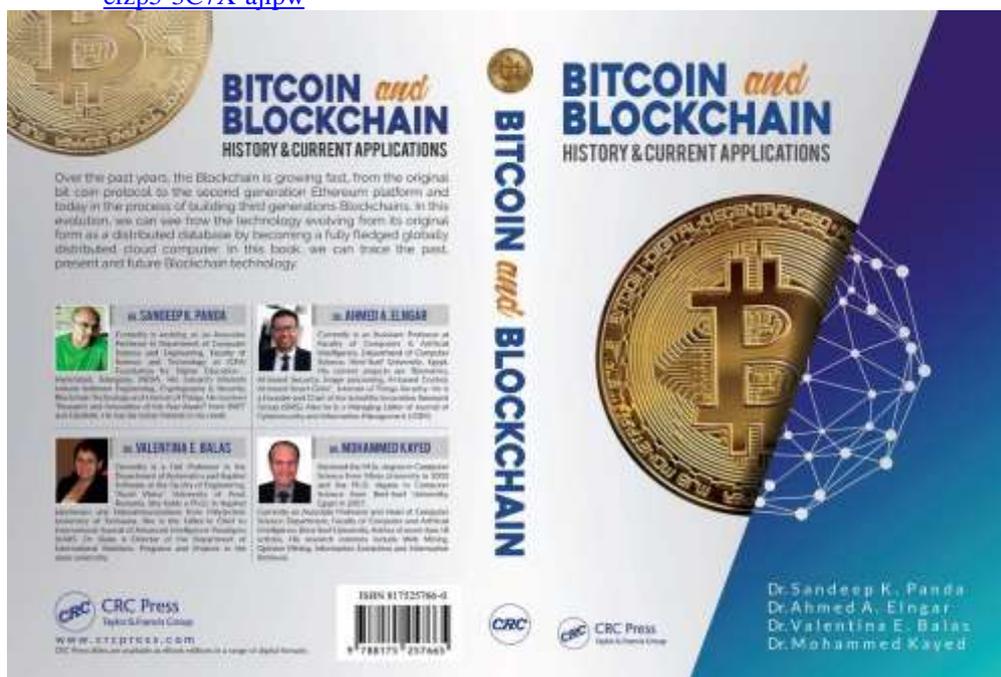
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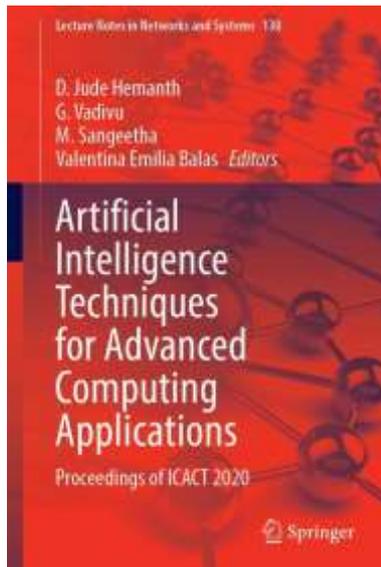
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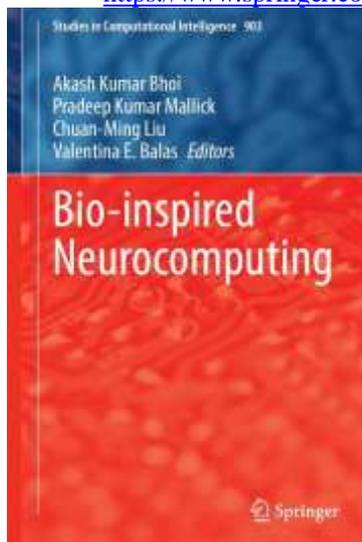
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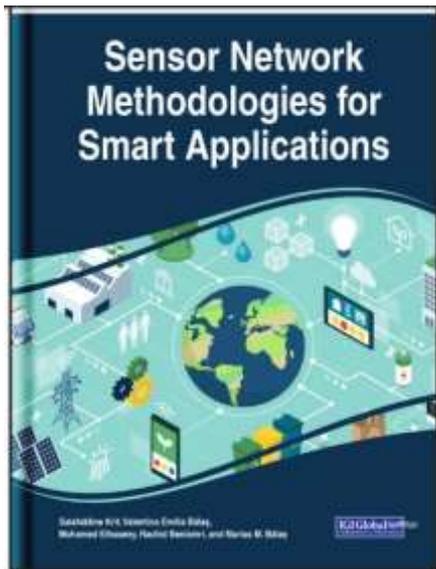


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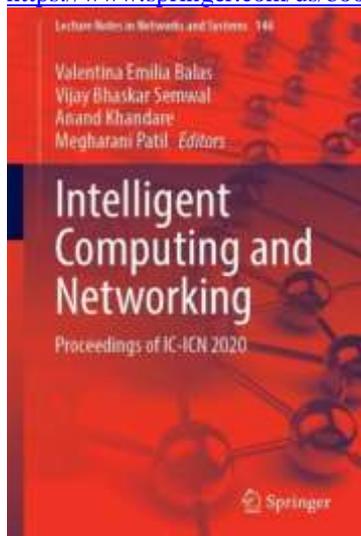
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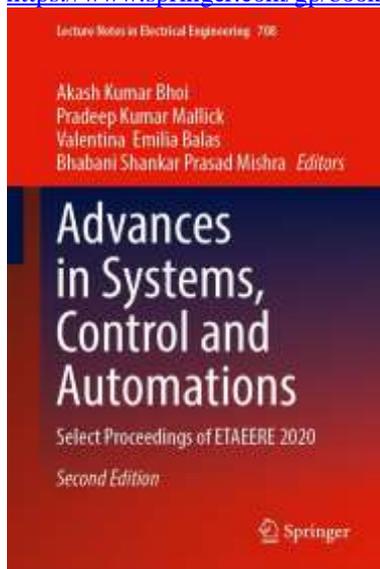


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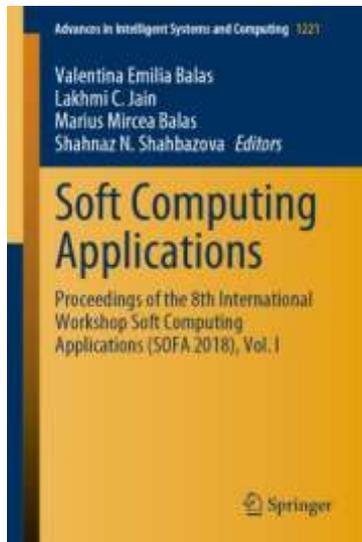


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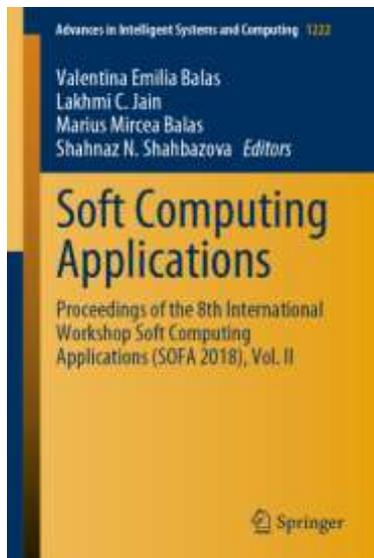
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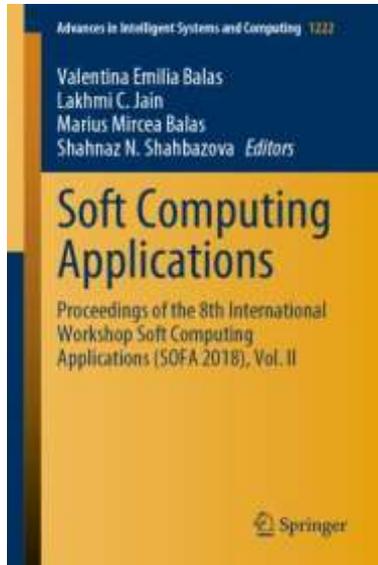
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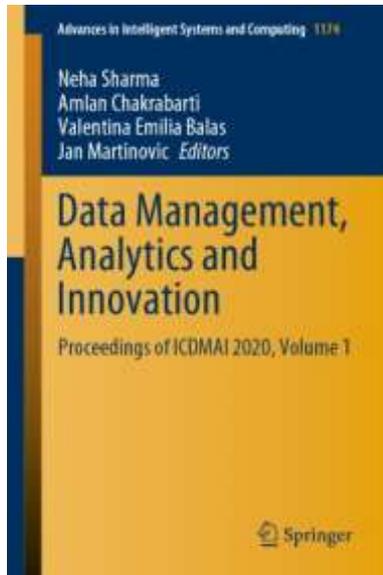
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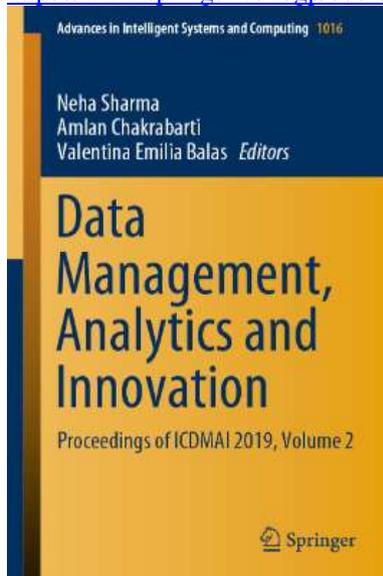
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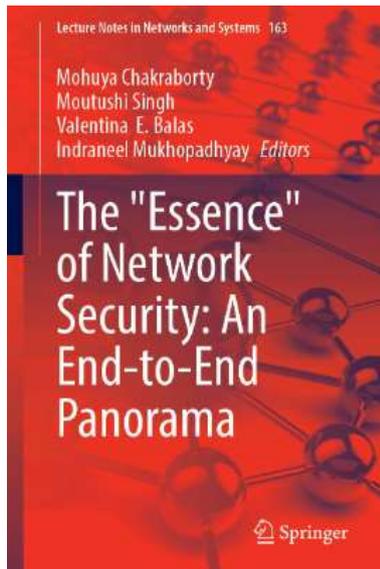
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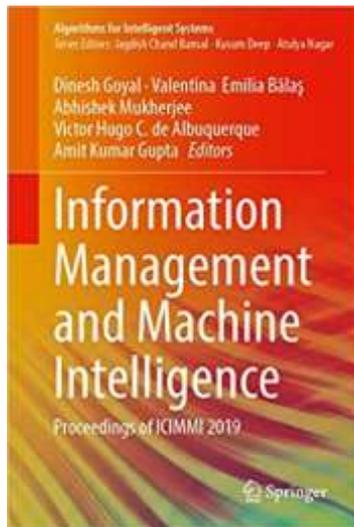




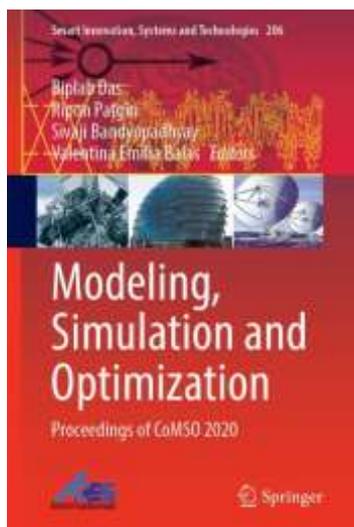
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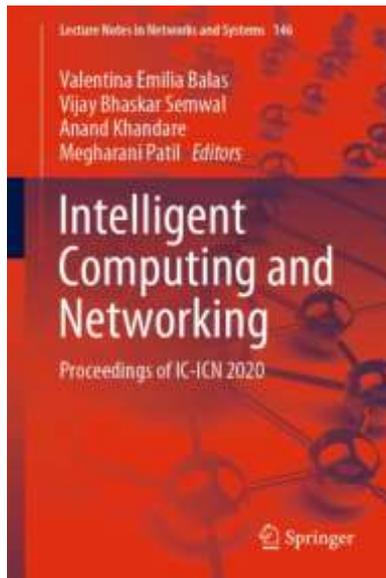
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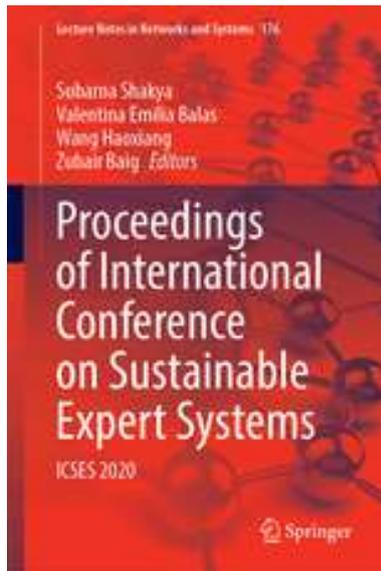
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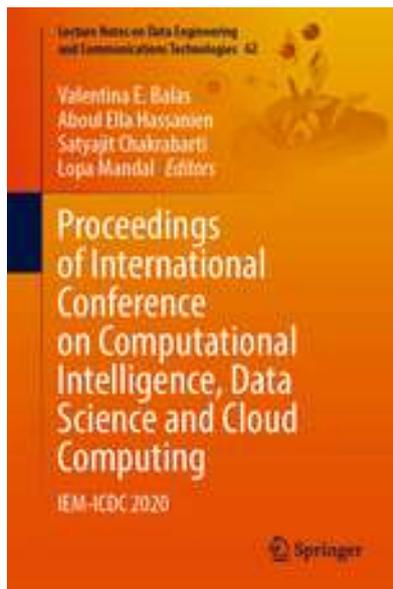
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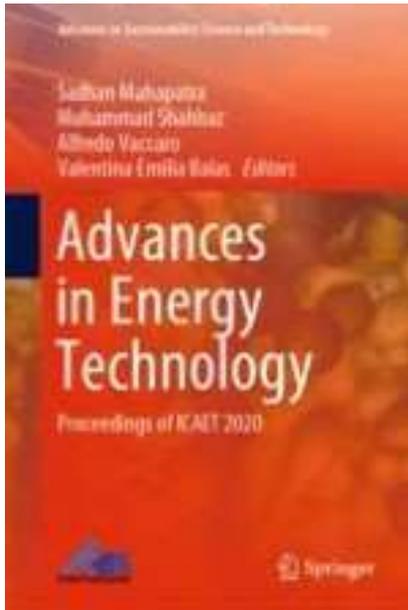
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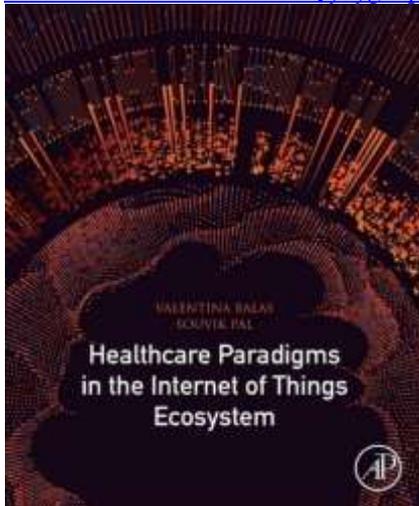
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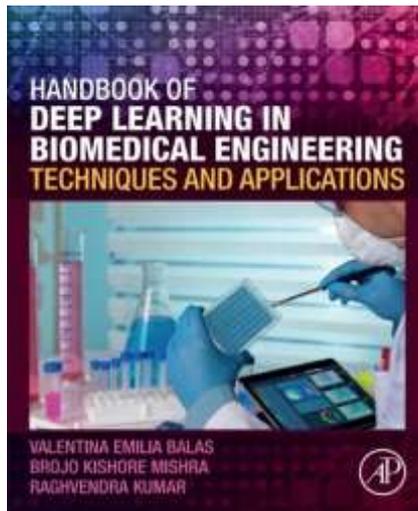
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