

Liste des productions scientifiques
(publication, communication,....)
Année 2021

Laboratoire des Sciences et Technologies de l'Information et de la Communication
Domaine de recherche: Informatique

Publications Internationales

Titre	Auteurs	Revue	Catégorie de la revue • A ⁺ , A, B-Scopus, B-non Scopus, non classée	Année	Micro domaine	Volume	Page	URL
<i>A Survey on Big IoT Data Indexing: Potential Solutions, Recent Advancements, and Open Issues</i>	<i>Zineddine Kouahla Ala-Eddine Benrazek Mohamed Amine Ferrag, Brahim Farou Hamid Seridi Muhammet Kurulay Adeel Anjum Alia Asheralieva</i>	<i>Future Internet (MDPI)</i>	<i>B-Scopus</i>	2021	<i>Informatique et Intelligence artificielle</i>	14	19	https://www.mdpi.com/1999-5903/14/1/19
<i>ECG beat classification using neural classifier based on deep autoencoder and decomposition techniques</i>	<i>Siouda Roguia, Nemissi Mohamed et Seridi Hamid</i>	<i>Progress in Artificial Intelligence</i>	<i>B-Scopus</i>	2021	<i>Informatique et Intelligence artificielle</i>	10	P 333-347	https://link.springer.com/article/10.1007/s13748-021-00243-5

<i>A new approach to identify dropout learners based on their performance-based behavior</i>	Rochdi BoudjehemYacine Lafifi	<i>JUCS - Journal of Universal Computer Science</i>	A	2021	32	27(10)	1001-1025	https://doi.org/10.3897/jucs.74280
<i>Deep learning-based Intrusion Detection for Distributed Denial of Service Attack in Agriculture 4.0</i>	M. A. Ferrag, L. Shu, H. Djallel, Kim-Kwang Raymond Choo	<i>MDPI Electronics</i>	A	2021				https://www.mdpi.com/2079-9292/10/11/1257
<i>Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies</i>	O. Friha, M. A. Ferrag, L. Shu, L. Maglaras, X. Wang	<i>IEEE/CAA Journal of Automatica Sinica</i>	A	2021		8		https://ieeexplore.ieee.org/document/9374808
<i>Cyber Ranges and TestBeds for Education, Training and Research</i>	N. Chouliaras, G. Kittes, I. Kantzavelou, L. Maglaras, G. Pantziou, M. A. Ferrag	<i>MDPI Applied Sciences</i>	A	2021				https://www.mdpi.com/2076-3417/11/4/1809
<i>EASBF: An Efficient Authentication Scheme over Blockchain for Fog Computing-enabled Internet of Vehicles</i>	S. E.Merzougui, M. A. Ferrag, O. Friha, L. Maglaras	<i>Elsevier Journal of Information Security and Applications</i>	A	2021		59		https://www.sciencedirect.com/science/article/abs/pii/S2214212621000442
<i>WHISPER: A Location Privacy-Preserving Scheme Using Transmission Range Changing for Internet of Vehicles</i>	M. Babaghayou, N. Labraoui, Ado A. Abba Ari, M. A. Ferrag, Leandros Maglaras, Helge Janicke	<i>MDPI Sensors</i>	A	2021				https://www.mdpi.com/1424-8220/21/7/2443
<i>PetroBlock: A Blockchain-based Payment Mechanism for Fueling Smart Vehicles</i>	F. Jamil, H. Jamil, O. Cheikhrouhou, A. Koubaa, A. Derhab, A. Ferrag	<i>MDPI Applied Sciences</i>	A	2021				https://www.mdpi.com/2076-3417/11/7/3055
<i>The Performance Evaluation of Blockchain-based Security and Privacy</i>	M. A. Ferrag, L. Shu	<i>IEEE Internet of Things Journal</i>	A+	2021				https://ieeexplore.ieee.org/document/9424688

<i>Systems for the Internet of Things: A Tutorial</i>								
<i>Fighting COVID-19 and Future Pandemics with the Internet of Things: Security and Privacy Perspectives</i>	M. A. Ferrag L. Shu, Kim-Kwang Raymond Choo	<i>IEEE/CAA Journal of Automatica Sinica</i>	A	2021				https://ieeexplore.ieee.org/document/9479868
<i>Cyber Security Intrusion Detection for Agriculture 4.0: Machine Learning-based Solutions, Datasets, and Future Directions</i>	M. A. Ferrag, L. Shu, O. Friha, X. Yang	<i>IEEE/CAA Journal of Automatica Sinica</i>	A	2021				https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9646172&casa_token=CTbWsP_SfcbAAAAAA:xyFKkKEmA7voFatYqWoRIOivJNBRGBLfctaPl_RCLWRq1p48IpWUzvUmsfN5Z3_H4WYMRpluojoyMBA&tag=1
<i>Intrusion Detection in Critical Infrastructures: A literature review</i>	P. Fountas, T. Kouskouras, G. Kranas, L. Maglaras, M. A. Ferrag,	<i>MDPI Smart Cities</i>	B	2021				https://www.mdpi.com/2624-6511/4/3/61
<i>A Mamdani Type Fuzzy Inference system to calculate employee susceptibility to phishing attacks</i>	Yahya Lambert, Nick Ayres, Leandros Maglaras, M. A. Ferrag	<i>MDPI Applied Sciences</i>	A	2021				https://www.mdpi.com/2076-3417/11/19/9083
<i>Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis</i>	M. A. Ferrag, O. Friha, L. Maglaras, H. Janicke, L. Shu	<i>IEEE Access</i>	A	2021				https://ieeexplore.ieee.org/document/9562531
<i>A Survey on Smart Agriculture: Development Modes, Technologies, and</i>	X. Yang, L. Shu, J. Chen, M. A. Ferrag, J. Wu, E. Nurellari, K. Huang	<i>IEEE/CAA Journal of Automatica Sinica</i>	A	2021				https://ieeexplore.ieee.org/document/9269526

<i>Learning analytics techniques and learner engagement in online learning environments (4th conference IAM'21 Guelma)</i>	Zerdoudi souhila, Tadjer houda, Lafifi yacine		non	Systeme informatique	2021		07	/
RecMOOC, A System for Recommending Learning Resource in MOOC	Zohra Mehenaoui, Youssef Abda , Toufik Boucehmel and Yacine Lafifi	the 4th conference on informatics and applied mathematics IAM'21 held in Guelma University	Non	e-Learning	2021	/	1-11	/

Communications Internationales

Titre	Auteurs	Intitulé de manifestation	• Proceeding de la conférence indexé dans Scopus (oui /non)	Micro domaine	Année	Volume	Page	URL
Intrusion Detection Systems for Industrial Internet of Things: A Survey	Djallel Hamouda, Mohamed Amine Ferrag, Nadjette Benhamida, Hamid Seridi	2021 International Conference on Theoretical and Applicative Aspects of Computer Science (ICTAACS)	Oui		2021			https://ieeexplore.ieee.org/abstract/document/9715177
Android Malware detection based on network analysis and deep convolutional neural network	Djallel Hamouda, Mohamed Amine Ferrag, Abd Erraouf Cherifi, Nadjette Benhamida, Zine Eddine Kouahla, and Hamid Seridi	The 4th conference on informatics and applied mathematics IAM'21	Non		2021			
Internet of Things in Agriculture: Smart Farming	Bouacida Imane Djakhdjakha Lynda Seridi Hamid	IAM CONFERENCE 2021	non	INFORMATICS AND APPLIED	2021			

and Precision Agriculture Overview				MATHEMATICS				
Recommender systems in smart environments: state of art	Maroua CHEMLAL, Amina ZEDADRA, Med Nadjib KOUAHLA	IAM CONFERENCE 2021	non		2021		9 pages	
<i>Memory Optimization Problem in Embedded Systems: A Survey</i>	<i>Elhachemi Gattal, Ala-Eddine Benrazek</i>	<i>4th CONFERENCE ON INFORMATICS AND APPLIED MATHEMATICS IAM'21</i>	<i>NON</i>	<i>Informatique et Intelligence artificielle</i>	<i>2021</i>	<i>//</i>	<i>//</i>	<i>//</i>
<i>A Review of Business Process Mining and a Trend Analysis of Artificial Intelligence-Powered Approaches</i>	AFIFI Chaima KHEBIZI Ali	<i>4th conference on informatics and applied mathematics IAM'21</i>	Non		2021			
<i>Cost-Effective Space Partitioning Approach for IoT Data Indexing and Retrieval</i>	<i>Ibtissem Kemouguette, Zineddine Kouahla, Ala-Eddine Benrazek, Brahim Farou Hamid Seridi</i>	<i>2021 International Conference on Networking and Advanced Systems (ICNAS) -IEEE</i>	<i>OUI</i>	<i>Informatique et Intelligence artificielle</i>	<i>2021</i>	<i>//</i>	<i>1-6</i>	https://ieeexplore.ieee.org/abstract/document/9628904/
<i>A Study of Lagrangian Relaxation and Dantzig-Wolfe Decompositions for the Generalized Assignment Problem</i>	<i>Elhachemi Gattal, Ala-Eddine Benrazek</i>	<i>2021 International Conference on Networking and Advanced Systems (ICNAS) -IEEE</i>	<i>OUI</i>	<i>Informatique et Intelligence artificielle</i>	<i>2021</i>	<i>//</i>	<i>1-5</i>	https://ieeexplore.ieee.org/abstract/document/9628940/
<i>Automatic labeling of tracked objects based on an indexing mechanism</i>	<i>Imane Allele Ala-Eddine Benrazek Zineddine Kouahla Brahim Farou Hamid Seridi Muhammet Kurulay</i>	<i>2021 International Conference on Theoretical and Applicative Aspects of Computer Science (ICTAACS) -IEEE</i>	<i>OUI</i>	<i>Informatique et Intelligence artificielle</i>	<i>2021</i>	<i>//</i>	<i>1-7</i>	https://ieeexplore.ieee.org/abstract/document/9715189/
Health Monitoring System for the elderly using Semantic Web of Things	Abdelhalim HADJADJ, Khaled HALIMI	IAM 2021 : FOURTH CONFERENCE ON INFORMATICS AND APPLIED MATHEMATICS	Non	Computer Science	2021	4	-	http://services.univ-guelma.dz/iam21/index.html
Improving Health Disabled People through Smart Wheelchair based on Fuzzy Ontology	Abdelhalim HADJADJ, Khaled HALIMI	2021 8th International Conference on Internet of Things: Systems, Management and Security (IOTSMS) - IEEE	Oui	Internet of Things	2021	-	1-6	https://ieeexplore.ieee.org/abstract/document/9704980/

QCCF-tree: A New Efficient IoT Big Data Indexing Method at the Fog-Cloud Computing Level	Karima Khettabi; Zineddine Kouahla; Brahim Farou; Hamid Seridi	<i>IEEE</i>	<i>oui</i>	<i>IoT</i>	2021	/	pp. 1-7	https://ieeexplore.ieee.org/abstract/document/9562836/metrics#metrics
Exploring E-Learning Through the Lens of Learning Analytics	Benchaker Mohamed Ezine, Lafifi Yacine and Bendjebbar Safia	IAM21	NON	Eye-tracking	2021	Preprint 21	16	https://scholar.google.com/scholar?hl=fr&as_sdt=0%2C5&as_ylo=2021&q=Benchaker+mohamed+ezine+&btnG=
Load short term forecast by linear regression and artificial intelligence	Rania Farah, Seridi Hamid,	IAM21	Non	Electrical consumption	2021	21	14	EasyChair, 2021.

Le directeur du Laboratoire

Le doyen