

## PUBLICATIONS ÉQUIPE S.I.C. - 2020 à 2010

<b>2020</b>
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### JOURNAL ARTICLE

Z. Asus, E-H Aglzim, D. Chrenko, L. Le Moyne, « *Energetic macroscopic representation and inversion based control of fuel cell in a series hybrid race vehicle system* », International Journal of Electric and Hybrid Vehicles, Vol XX, Issue X, February, ISSN 1751-4088, 2020

M. Dammak, S. M. Senouci, M. A. Messous, M. H. Elhdhili and C. Gransart, "Decentralized Lightweight Group Key Management for Dynamic Access Control in IoT Environments," in IEEE Transactions on Network and Service Management, doi: 10.1109/TNSM.2020.3002957.

A. Alioua, H.E. Djeghr, M. Elyazid Tayeb Cherif, SM. Senouci and H. Sedjilmaci, "UAVs for Traffic Monitoring: A Sequential Game-based Computation Offloading/Sharing Approach", Computer Networks (Elsevier), Volume 177, 2020, ISSN 1389-1286, <https://doi.org/10.1016/j.comnet.2020.107273>.

### CONFÉRENCES INTERNATIONALES

M.A. Messous, H. Hellwagner, S.M. Senouci, D. Emini, D. Schnieders, "Edge Computing for Visual Navigation and Mapping in a UAV Network", IEEE ICC'2020, Dublin, Ireland, 7-11 June 2020.

A. Alioua, S. Simoud, S. Bourema, M. Khelifi, S.M. Senouci, "A Stackelberg Game Approach for Incentive V2V Caching in Software-Defined 5G-enabled VANET", IEEE ISCC2020, Rennes, France, July 8-10, 2020.

E. Chaalal, L. Reynaud, SM. Senouci, "A Social Spider Optimisation Algorithm for 3D Unmanned Aerial Base Stations Placement", IFIP Networking'2020, Paris, France, 22-25 June 2020

A. Arfaoui, A. Kribéche, SM. Senouci, Cooperative MIMO for Adaptive Physical Layer Security in WBAN, IEEE ICC'20 - AHSN Symposium, Dublin, Ireland, 7-11 June 2020.

P. Romet, F. Gechter, E-H. Aglzim, O. Grunder, S-M. Senouci « An environment based approach for the ant colony convergence », IWIS 2020, Ulsan – Republic of Korean, 22-24 July 2020

Z. Asus, M.I.S Madon, Z-H. Che Daud, M.F Muhamad Said, E-H. Aglzim, M.H. Ab. Talib, A.A. Ahmad, « Simulation analysis of fuel cell integration in a hybrid car », IOP Conference Series - Materials Science and Engineering, Energy Security and Chemical Engineering Congress, 736, 2020

Y. Huang, Y. Liu, L. Shi, D. Shi, X. Zhang, E-H. Aglzim, J. Zheng, « On improving the accuracy of Visible Light Positioning system based PAPR reduction schemes », IEEE BMSB 2020, Paris – France, 3-5 June 2020

L. Shi, X. Zhang, Y. Huang, E-H. Aglzim, A. Vladimirescu, « On improving the accuracy of Visible Light Positioning system using deep autoencoder », ASPAI'20, Berlin – Germany, 1-3 April 2020.

### CONFÉRENCES NATIONALES

Aucune.

<b>2019</b>
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## **JOURNAL ARTICLE**

- Alemneh E, Senouci S.M. "Ensuring Safety of Vulnerable Road Users Using Their Smartphones and Fogging : Challenges and Solutions." *IEEE ComSoc AHSN TC Newsletter* (2019).
- Arfaoui A, Kribeche A, Merad Boudia O, Senouci S.M, Hamdi M. "Context-Aware Access Control and Anonymous Authentication in Wireless Body Area Networks." *Computers & Security (Elsevier)* (2019).
- Arfaoui A, Kribeche A, Senouci S.M. "Lightweight and Adaptive Anonymous Authentication Protocols in the Internet of Things Dedicated to E-Health Applications." *Computer Networks (Elsevier)* (2019).
- Messous M.A, Senouci S.M, Sedjalmaci H, Cherkaoui S. "A Game Theory Based Efficient Computation Offloading in an Uav Network." *IEEE Transactions on Vehicular Technology (TVT)* (2019).
- Romet P, Gechter F, Aglzim E-H, Lefort B, Senouci S-M. "La Place Du Véhicule Autonome Dans Une Mobilité Propre." *Revue de l'Electricité et de l'Electronique* (2019).

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- Alemneh E, Senouci S.M, Brunet P. *An Energy Efficient Smartphone Sensors' Data Fusion for High Rate Position Sampling Demands.* 2019.
- Arfaoui A, Cherkaoui S, Kribeche A, Senouci S.M, Hamdi M. *Context-Aware Adaptive Authentication and Authorization in Internet of Things.* 2019.
- Dammak M, Merad Boudia O.R, Messous M.A, Senouci S-M, Gransart C. *Token-Based Lightweight Authentication to Secure Lot Networks.* 2019.

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- Alioua A, Senouci S.M, Moussaoui S, Sedjalmaci H, Messous M.A. "Efficient Data Processing in Software-Denied Uav-Assisted Vehicular Networks : A Sequential Game Approach." *Wireless Personal Communications - WPC (Springer)* 101, no. 4 (2018): 2255–86. <http://dx.doi.org/https://doi.org/10.1007/s11277-018-5815-1>.
- Asus Z, Aglzim E.H, Chrenko D, Che Daud Z, Le Moyne L. "Fuel Consumption Evaluation of a Hybrid Electric Car over Aggressive Cycles for Thermal Engine Optimization." *International Journal of Advanced and Applied Sciences* 5, no. 2 (Janvier 2018 2018): 37-43.
- Attia M, Senouci S.M, Sedjalmaci H, Aglzim E.H, Chrenko D. "An Efficient Intrusion Detection System against Cyber-Physical Attacks in the Smart Grid." *Computers and Electrical Engineering (Elsevier)* (May 2018 2018). <http://dx.doi.org/DOI:10.1016/j.compeleceng.2018.05.006>.
- Boulouache A, Senouci S.M, Moussaoui S. "Privanet : An Efficient Pseudonym Changing and Management Framework for Vehicular Ad-Hoc Networks." *IEEE Transactions on Intelligent Transportation Systems* (2018).
- Haider N, Attia M, Senouci S.M, Aglzim E.H. "New Consumer-Dependent Energy Management System to Reduce Cost and Carbon Impact in Smart Buildings." *Sustainable Cities and Society (Elsevier)* 39 (2018): 740-50. <http://dx.doi.org/https://doi.org/10.1016/j.scs.2017.11.033>.

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- Sanchez Fernandez F, Ramirez Martinez M, Brunet P, Senouci S.M, Bourennane E.B. "Multi-Scale Feature Extraction for Vehicle Detection Using Phis-Lbp." *WSEAS Transactions on Signal Processing* 14 (2018): 91-98.
- Sedjelmaci H, Senouci S.M. "Cyber Security Methods for Aerial Vehicle Networks : Taxonomy, Challenges and Solution." *Journal of Supercomputing (Springer)* 74, no. 10 (2018): 4928-44.

### **Conférences Internationales :**

- Alemneh E, Senouci S.M, Brunet P. *An Online Time Warping Based Map Matching for Vulnerable Road Users Safety*. 2018.
- Arfaoui A, Ben Letaifa A, Kribeche A, Senouci S.M, Hamdi M. *A Stochastic Game for Adaptive Security in Constrained Wireless Body Area Networks*. 2018.
- Arfaoui A, Kribeche A, Merad Boudia O.R, Ben Letaifa A , Senouci S.M, Hamdi M. *Adaptive Anonymous Authentication for Wearable Sensors in Wireless Body Area Networks*. 2018.
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- Arfaoui A, Kribeche A, Senouci S.M, Hamdi M. *Game-Based Adaptive Remote Access Vpn for Iot: Application to E-Health*. 2018.
- Arfaoui A, Kribeche A, Senouci S.M, Hamdi M. *Game-Based Adaptive Risk Management in Wireless Body Area Networks*. 2018.
- Attia M, Haider N, Senouci S.M, Aglzim E.H. *Towards an Efficient Energy Management to Reduce Co2 Emissions and Billing Cost in Smart Buildings*. 2018.
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- Birhanie H.M, Messous M.A, Senouci S.M, Aglzim E.H, Ahmed A. *Mdp-Based Resource Allocation Scheme Towards a Vehicular Fog Computing with Energy Constraints*. 2018.
- Dhifallah K, Gourhant Y, Senouci S.M. *Combinatorial Double Auction Radio Resource Allocation Model in Crowd Networks*. 2018.
- Dhifallah K, Gourhant Y, Senouci S.M, Morand L. *Small Cells Placement for Crowd Networks*. 2018.
- Haouari N, Moussaoui S, Senouci S.M. *Application Reliability Analysis of Density-Aware Congestion Control in Vanets*. 2018.
- Klaimi J, Senouci S.M, Messous M.A. *Theoretical Game Approach for Mobile Users Resource Management in a Vehicular Fog Computing Environment*. 2018.
- Merad Boudia O.R, Sedjelmaci H, Senouci S.M. *Two Levels Verification for Secure Data Aggregation in Resource-Constrained Environments*. 2018.

### **Conférences Nationales :**

- Alemneh E, Senouci S.M, Brunet P. *Pv-Alert : Fog Computing Based Architecture for Safeguarding Vulnerable Road Users*. 2018.
- Arfaoui A, Kribeche A, Senouci S.M, Hamdi M. *Game-Based Adaptive Security for the Internet of Things*. 2018.
- Attia M, Senouci S.M. *Optimizing Electric Vehicles Integration into the Smart Grid : A Game Theoretic Approach*. 2018.

Birhanie H.M, Messous M.A, Senouci S.M, Aglzim E.H, Ahmedin M. *Mdp-Based Resource Management in Vehicular Fog Computing with Energy Constraint*. 2018.

Messous M.A, Senouci S.M. *Fuzzy Logic Reasoning for an Efficient Mobility Model of a Fleet of Small Uavs in an Exploration Mission*. 2018.

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### **Journal Article :**

Bouaicha A, Allagui H, Aglzim E.H, Rouane A, Mami A. "Validation of a Methodology for Determining the Pem Fuel Cell Complex Impedance Modelling Parameters." *International Journal of Hydrogen Energy* 42, no. 17 (2017): 12738-48.

Boualouache A, Senouci S.M, Moussaoui S. "A Survey on Pseudonym Changing Strategies for Vehicular Ad-Hoc Networks." *Accepted in IEEE Communications Surveys and Tutorials* pp (2017): 1-1. <http://dx.doi.org/10.1109/COMST.2017.2771522>.

Haidar N, Attia M, Senouci S.M, Aglzim E.H, Kribeche A, Asus Z.B "New Consumer-Dependent Energy Management System to Reduce Cost and Carbon Impact in Smart Buildings." *Sustainable Cities and Society* (2017). <http://dx.doi.org/https://doi.org/10.1016/j.jscs.2017.11.033>.

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- Attia M, Senouci S.M, Aglzim E. *Towards Using Local Energy to Enhance Smart Meters Privacy*. 2017.
- Dhifallah K, Gourhant Y, Senouci S.M. *Cell Selection Game in Heterogeneous Macro-Small Cell Networks*. 2017. Alemneh E, Senouci S.M, Brunet P. *Pv-Alert: A Fog-Based Architecture for Safeguarding Vulnerable Road Users*. 2017.
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Bouaicha A, Allagui H, Mami A, Aglzim E.H, Rouane A. "Study and Development of an Application for the Polarization Curve of a Pem Fuel Cell" 2016.

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Mamechaoui S, Senouci S.M, Didi F, Pujolle G. "Energy Efficient Management for Wireless Mesh Networks with Green Routers." *Springer Mobile Network & Applications* (2015).

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### **Conférences Internationales :**

Mehar S, Senouci S.M, Kies A. *An Optimized Roadside Units (Rsu) Placement for Delay-Sensitive Applications in Vehicular Networks*. 2015.

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S.M, Senouci. *Véhicule Intelligent*. 2015.

<b>2014</b>
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Cherif M, Senouci S.M. "A Geographical Self-Organizing Approach for Vehicular Networks." *Journal of Communications (JCM), Academy publisher* 7 (2012): 885-98. <http://dx.doi.org/10.4304/jcm.7.12.885-898>.

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