



Etablissement d'Enseignement Supérieur d'Intérêt Général (EESPIG)

Habilité à délivrer le diplôme d'Ingénieur (CTI)

Membre du Groupe ECAM

Membre de la Conférence des Grandes Écoles (CGE)

Membre de la Fédération des Etablissements Supérieurs d'Intérêt Collectif (FESIC)

Membre de la COMUE Université Paris-Seine

---

## LISTE DES PUBLICATIONS

### ECAM-EPMI – LR2E

---

\* \*\*\*\*\* \* 2013 – 2018 \* \*\*\*\*\* \*

#### Contact :

[k.labadi@ecam-epmi.com](mailto:k.labadi@ecam-epmi.com)

Tel : 01 30 75 69 45

#### **ECAM-EPMI**

13, Bd de l'Hautil - 95092 Cergy-Pontoise Cedex

Web. [www.ecam-epmi.fr](http://www.ecam-epmi.fr)

(1)

## I. ARTICLES DE REVUES INTERNATIONALES

**Année 2018 //**

1. I. Ziouani, D. Boukhetala, **A.-M. Darcherif, B. Amghar, I. El Abbassi**, "Hierarchical control for flexible microgrid based on three-phase voltage source inverters operated in parallel". **International journal of electrical Power & Energy Systems**, 2018, 95, pp.188 - 201.
2. A.A. Kadri, I. Kacem, **K. Labadi** (2018) "Lower and upper bounds for scheduling multiple balancing vehicles in bicycle-sharing systems", **Soft Computing, Springer**, pp.1-22, ISSN 1432- 7643, DOI 10.1007/s00500-018-3258-y (2018).
3. **C. Bianca**, C. Dogbe (2018), "A new criterium for the ergodicity of Hamilton-Jacobi-Bellman type equations". **Global and Stochastic Analysis, Vol. 5, No. 1, pp. 67-99, 2018.**
4. E. Mami, A. Cheikh, M. Kadi, **K. Labadi**, (2018) "Maintenance optimization through quality management: A case study in « ALZINC » Plant", **International Journal of Productivity and Quality Management**, Scopus (Elsevier), In Press (2018).
5. El-Kadi Hellel, **S. Hamaci**, R. Ziani (2018) « Modelling and Reliability Analysis of Multi-source Renewable Energy Systems Using Deterministic and Stochastic Petri Net» **The Open Automation and Control Systems Journal**, DOI: 10.2174/1874444301811080025, 2018, 10, 25-40.
6. A. Sadiqi, **I. El Abbassi**, A. El Barkany and A. El Biyaali (2018), « Joint Scheduling of Jobs and Variable Maintenance Activities in the Flowshop Sequencing Problems: Review, Classification and Opportunities », **International Journal of Engineering Research in Africa**, Vol. 39, pp. 170-190, 2018.
7. Z. Ibn Majdoub Hassani , A. El Barkany, A. Jabri, **I. El Abbassi, A.-M. Darcherif** (2018), "New Approach to Integrate Planning and Scheduling of Production System: Heuristic Resolution» **International Journal of Engineering Research in Africa** JERA, Vol 39, pp. 156-169, 2018.
8. **C. Bianca, R. Sasportas**, X. Busch (2018), "A two-dimensional maximum-entropy-based model for the source reconstruction in a monitoring network". **Nonlinear Studies, Vol. 25, No. 1, pp. 1-13, 2018.**
9. Boulemtafes-Boukadouma A., **Absi R., El Abbassi I., Darcherif A.-M.**, Benzaoui A. (2018) Numerical investigation of absorber's roughness effect on heat transfer in upward solar air heaters, **Energy Procedia 2018**, Elsevier, 157, pp. 1089-1100.
10. **C. Bianca**, C. Dogbe (2018), "Existence of entropy solutions for multidimensional conservation laws with  $L^1$  boundary conditions". **Mathematics in Engineering, Science and Aerospace, Vol. 9, No. 4, pp. 507-526, 2018.**

(2)

11. E.-K. Hellel, **S. Hamaci**, R. Ziani (2018) «Performance related dependability evaluation of multi-source renewable energy systems using deterministic and stochastic Petri nets», **International Journal of Energy & Environment**. <https://doi.org/10.1177/0958305X18813630>.
12. M. Boudiaf, **M. Benkherrat**, K. Mansouri (2018), "Single-trial evoked potentials denoising using adaptive modelling", **Int. J. Bioinformatics Research and Applications, 2018, Vol. 14, No. 3, 2018.**
13. **C. Bianca**, C. Mogno (2018), "A thermostatted kinetic theory model for event-driven pedestrian dynamics". **The European Physical Journal Plus, (2018) 133-213.**
14. **C. Bianca**, C. Mogno (2018), "Modelling pedestrian dynamics into a metro station by thermostatted kinetic theory methods". **Mathematical and Computer Modelling of Dynamical Systems, Vol. 24, No. 2, pp. 207-235, 2018.**
15. L. Masurel, **C. Bianca**, A. Lemarchand (2018), "On the learning control effects in the cancer-immune system competition". **Physica A: Statistical Mechanics and its Applications, Vol. 506, pp. 462-475, 2018.**
16. **C. Bianca**, C. Mogno (2018), "Qualitative analysis of a discrete thermostatted kinetic framework modeling complex adaptive systems". **Commun Nonlinear Sci Numer Simulat, Vol. 54, pp. 221-232, 2018.**
17. Zineb Ibn Majdoub Hassani , Alah El Barkany, Aouahhab Jabri, **I. El Abbassi**, (2018) "Models for Solving Integrated Planning and Scheduling Problem: Computational Comparison", **International Journal of Engineering Research in Africa**, Vol. 34, pp. 161-170, 2018.
18. G. Lebbar, **I. El Abbassi**, Aouahhab Jabri, Alah El Barkany, **A.-M Darcherif**, (2018) « Multi-criteria Blocking Flowshop Scheduling Problems: Formulation and Performance Analysis », **Advances in Production Engineering and Management**, Vol. 13, No. 2, pp. 136-146, 2018.
19. G. Lebbar, **I. El Abbassi**, Alah El Barkany, Aouahhab Jabri, **-M Darcherif**, (2018) « Hybrid Metaheuristics for Solving the Blocking Flowshop Scheduling Problem», **International Journal of Engineering Research in Africa**, Vol. 36, p124-136, 2018
20. G. Lebbar, **I. El Abbassi**, Alah El Barkany, Aouahhab Jabri, **A.-M. Darcherif**, (2018) « Solving the Multiobjective Flow shop Scheduling Problems Using an Improved NSGA-II», **International journal of Operations and Quantitive Management**, Vol. 24, No. 3, pp. 211-230, 2018.

### **Année 2017 //**

---

21. T. Sellami, **S. Jelassi**, H. Berriri, **A.-M. Darcherif**, F. Mimouni (2017), « Finite volume free vibration analysis of a new aerodynamic styling wind turbine », **Wind Engineering (WE)**, Vol. 42, No. 5, pp. 397-410, 2017.

(3)

22. T. Sellami, H. Berriri, **S. Jelassi, A.-M. Darcherif**, F. Mimouni (2017), « Performance analysis of grid connected wind turbine system under inter-turn short-circuit fault conditions », **International Journal of Renewable Energy Research (IJRER)**, Vol. 8, No. 1, pp. 1345-1358, 2017.
23. **Uzunova M.** , Potarusov Roman, Velichkova Rositsa, **Darcherif A.-M.**, Traffic impact analysis on Paris and suburbs ways using BFSIS model, 2016, **International Journal of Automatic and Logistic (IJAL)**, ISSN: 2049-6745 Online ISSN: 2049-6753, Jan **2017**, Vol. 3, Issue 1, pp. 17-32
24. **C. Bianca**, L. Brézin (2017), “Modeling the antigen recognition by B-cell and T-cell receptors through thermostatted kinetic theory methods”. **International Journal of Biomathematics**, **Vol. 10, No. 5, 1750072, 2017**.
25. **C. Bianca**, C. Dogbe (2017), “On the existence and uniqueness of invariant measure for multidimensional diffusion processes”. **Nonlinear Studies**, **Vol. 24, No. 3, pp. 437-468, 2017**.
26. **C. Bianca**, R. Sasportas (2017), “A one-dimensional mathematical model for the source reconstruction by the maximum entropy principle”. **Applied Mathematics & Information Sciences**, **Vol. 11, No. 6, pp. 1803-1809, 2017**.
27. **C. Bianca** (2017), “On the coupling of the thermostatted kinetic theory with the information theory”. **Applied Mathematics & Information Sciences**, **Vol. 11, No. 6, pp. 1767-1772, 2017**.
28. T. Sellami, H. Berriri, **S. Jelassi, A.-M. Darcherif**, F. Mimouni (2017), « Short-circuit fault tolerant control of a wind turbine driven induction generator based on sliding mode observers », **Energies**, Oct. 2017, Vol. 10, No. 10, pp. 1-21, 2017
29. T. Sellami, H. Berriri, **S. Jelassi, A.-M. Darcherif**, F. Mimouni (2017), « Sliding mode observer based fault detection and isolation for wind turbine driven induction generator », **International Journal of Power Electronics and Drive Systems (IJPEDS)**, Vol. 8, No. 3, pp. 1345, 2017.
30. **C. Bianca**, A. Kombargi (2017), “On the modeling of the stock market evolution by means of the information-thermostatted kinetic theory”. **Nonlinear Studies**, **Vol. 24, No. 4, pp. 935-944, 2017**.
31. I. Antonov, R. Velichkova, S. Antonov, K. Grozdanov, **M. Uzunova, I. El Abbassi** (2017). “Fire extinguishing system in large underground garages”. **Advances in Science, Technology and Engineering Systems Journal**, Vol. 2, No. 3, pp. 221-226 (2017).
32. **C. Bianca**, A. Kombargi (2017), “On the inverse problem for thermostatted kinetic models with application to the financial market”. **Applied Mathematics & Information Sciences**, **Vol. 11, No. 5, pp. 1463-1471, 2017**.
33. T. Sellami, **S. Jelassi**, H. Berriri, **A.-M. Darcherif**, F. Mimouni (2017), « Experimental validation of a numerical 3-D finite model applied to wind turbines design under

(4)

vibration constraints: Trevise platform », **Mechanics and Industry**, Vol. 18, No. 8, pp. 806, 2017

34. M. Boudiaf, **M. Benkherrat**, K. Mansouri, (2017), “Denoising of single-trial event-related potentials using adaptive modelling”, **IET Signal Processing**, Vol. 11 Iss. 7, pp. 846-853, 2017.
35. **C. Bianca** (2017), “A new approach for the source problem based on the maximum entropy principle”. **Nonlinear Studies**, Vol. 24, No. 4, pp. 715-723, 2017.

## **Année 2016 //**

---

36. A.A. Kadri, I. Kacem, **K. Labadi** (2016) “A branch and bound algorithm for solving the static rebalancing problem in bicycle sharing systems”, **Computers & Industrial Engineering**, **Elesvier (CIE)**, Vol. 95, May 2016, pp. 41-52.
37. **C. Bianca**, C. Dogbe (2016), “Recovering Navier-Stokes equations from asymptotic limits of the Boltzmann gas mixture equation”. **Commun. Theor. Phys.**, Vol. 65, pp. 553-562, 2016.
38. Mouhammad Alanfaf Mohamed Mladjao, **I. El Abbassi, A.-M. Darcherif**, M. El Ganaoui (2016) “New Robust Energy Management Model for Interconnected Power Networks Using Petri Nets Approach”. **Smart Grid and Renewable Energy Journal**. January 2016, volume 7, N° 1, pp. 46-65.
39. J. Riposo, **C. Bianca** (2016), “On the adjacency matrix of graphs: Principal eigenvector versus degree vector”. **Nonlinear Studies**, Vol. 23, No. 3, pp. 365-378, 2016.
40. **C. Bianca**, L. Guerrini (2016), “Loosing stability and exhibiting limit cycle as consequence of time delay introduction into a computer virus infection model”. **Global and Stochastic Analysis**, Vol. 3, No. 1, pp. 1-10, 2016.
41. BK Singh, **C. Bianca** (2016), “A new numerical approach for the solutions of partial differential equations in three-dimensional space”. **Applied Mathematics & Information Sciences**, Vol. 10, No. 5, pp. 1663-1672, 2016.
42. T. Sellami, H. Berriri, **S. Jelassi, A.-M. Darcherif**, F. Mimouni (2016), « Modal and harmonic analysis of three dimensional wind turbine models », **Wind Engineering (WE)**, Vol. 40, No. 6, pp. 518-527, 2016.
43. **C. Bianca**, C. Dogbe, A. Lemarchand (2016), “From cellular to tissue scales by asymptotic limits of thermostatted kinetic models”. **The European Physical Journal Plus**, Vol. 131, 41, 2016.
44. **S. Jelassi**, R. Romary, J.F. Brudny (2016), « Vibro-acoustic behavior of an induction machine with stator inter-turn short-circuit », **The European Physical Journal Applied Physics (EPJAP)**, Jan. 2016, Vol. 73, No. 1, 2016.
45. M. Ben Amar, **C. Bianca** (2016), “Onset of nonlinearity in a stochastic model for auto-chemotactic advancing epithelia”. **Scientific Reports**, Vol. 6, 33849, 2016.

(5)

46. **C. Bianca**, A. Lemarchand (2016), "Miming the cancer-immune system competition by kinetic Monte Carlo simulations". **The Journal of Chemical Physics**, Vol. 145, 154108, 2016.
47. J. Liu, **C. Bianca**, L. Guerrini (2016), "Dynamical analysis of a computer virus model with delays". **Discrete Dynamics in Nature and Society**, Vol. 2016, 5649584, 2016.
48. M. Ben Amar, **C. Bianca** (2016), "[Towards a unified approach in the modeling of fibrosis: A review with research perspectives](#)". **Physics of Life Reviews**, Vol. 16, pp. 61-85, 2016.
49. M. Ben Amar, **C. Bianca** (2016), "Multiscale modeling of fibrosis - What's next?". **Physics of Life Reviews**, Vol. 16, pp. 118-123, 2016.

## **Année 2015 //**

---

50. **K. Labadi**, T. Benarbia, J.P. Barbot, **S. Hamaci** and A. Omari, (2015), "Stochastic Petri Net Modeling, Simulation and Analysis of Public Bicycle Sharing Systems", **IEEE Transactions on Automation Science and Engineering (IEEE -TASE)**, Oct. 2015, Vol. 12, No. 4, pp.1380-1395.
51. A.A. Kadri, **K. Labadi**, I. Kacem (2015), "An integrated Petri net and genetic algorithm based approach for performance optimization of bicycle sharing systems" **European Journal of Industrial Engineering (EJIE)**, Oct. 2015, Vol. 9, No. 5, pp. 638-663, 2015.
52. **B. Amghar**, **I. El Abbassi**, M.A.M. Mladjao, **A.-M. Darcherif** (2015) "A New Hybrid Control Method Of Power Electronics Converters For Wind Turbine Systems", **WIT Transactions on Information and Communication Technologies**. ISBN 978-1-84564-930-2 (2015).
53. A. Choudara, D. Boukhetala, S. Barkat and **J.-M. Brucker** (2015) "A Local Energy Management of a Hybrid PV-Storage based Distributed Generation for Microgrids, **Elsevier Journal: Energy Conversion and Management Corresponding**, Volume 90, 15 January 2015, Pages 21-33.
54. Lazri, S. Ameur, **J.-M. Brucker**, M. Lahdir, M. Sehad (2015), "Analysis of drought areas in northern Algeria using Markov chains", **Journal of Earth System Science**, Vol. 124, Issue 1, pp.61-70.
55. A. Choudara, S. Barkat, D. Boukhetala, S. Barkat and **J.-M. Brucker** (2015) "Power Management Strategy of an Active PV Generator in a Microgrid System", **Energy Conversion and Management**, 90 (2015), pp. 21-33.
56. F. Salinas, M. Ghanes, J-P Barbot, M.-F. Escalante and **B. Amghar** (2015) "Modeling and Control Design based on Petri Nets for Serial Multicellular Chopper". **IEEE Transactions on Control Systems Technology**, Vol. 23, Issue: 1, Jan. 2015, pp. 91-100.

- 57.** R. Velichkova, I. Antonov, **M. Uzunova, I. El Abbassi** (2015) "Preventing the Spread of Fire in Multi-Storey Buildings". **Modern Environmental Science and Engineering Journal** (ISSN 2333-2581) February 2015, Volume 1, No. 2. Academic Star Publishing Company, 2015

## Année 2014 //

---

- 58. S. Hamaci, K. Labadi, A.-M. Darcherif** (2014) "On marking of Continuous Generalized Timed Events Graphs", **International Journal of Computer Science Issues (IJCSI)**, Vol. 11, n° 2, 2014, pp. 167-173.
- 59.** F. Ouallouche, M. Lazri, S. Ameur, J. M. Brucker and M Sehad (2014) "Infrared and microwave image fusion for rainfall detection over northern Algeria" **International Journal Image, Graphics and Signal Processing**, 2014, 6, 11-18.
- 60. M. Uzunova,** M. Djemai, (2014) "Analysis from robust control under environment constraint. Application for traffic model", **International Journal of Business Performance and Supply Chain Modelling (IJBPCM)**, Jan 2014, Vol. 6, Issue 3-4, pp. 315-335.
- 61.** M. Lazri, S. Ameur, **J.-M. Brucker**, F. Ouallouche, Yacine Mohia (2014) "Convective rainfall estimation from MSG/SEVIRI data different developpement phaseration of convective systems (growth phase and decay phase)", **ELSEVIER Atmospheric Research**, 147-148 (2014) 38-50.
- 62.** Yacine Mohia, S. Ameur, M. Lazri, **J.-M. Brucker** (2014) "Rainfall Intensity Classification Method Based on Textural and Spectral Parameters from MSG-SEVIRI", **International Review on Computers and Software (IRECOS)**, Vol. 9, N° 7, 2014.
- 63.** N. Curatolo, S. Lamouri, **J.-C. Huet**, A. Rieutord. (2014) "A critical analysis of Lean approach structuring in hospitals, **Business Process Management Journal - BPMJ**. Volume 20, Issue 3, 2014, Pages 433-454.

## Année 2013 //

---

- 64.** H. Kahouadji, **K. Labadi, S. Hamaci**, Z. Sari (2013) "Interval analysis to optimize a production line of pharmaceuticals, **International Journal of Logistics Systems and Management**, Vol. 15, Numbers 2-3, May 2013 , pp. 304-319 (16).
- 65.** R. Benfekir, **S. Hamaci**, J.-L. Boimond, **K. Labadi**, (2013) "Performance evaluation of nonlinear weighted T-system", **International Journal of Systems Science**, Taylor & Francis Publishers, Vol. 44, Issue 10, 2013, pp. 1948-1955.
- 66.** **S. Jelassi**, R. Romary, J.F. Brudny (2013), « Slot Design for Dynamic Iron Loss Reduction in Induction Machines », **Progress in Electromagnetics Research (PIER)**, May. 2013, Vol 52, pp. 79-97, 2013.

- 67.** M. Lazri, S. Ameur, **J.-M. Brucker**, Jacques Testud, Bachir Hamadache, Slimane Hameg, F. Ouallouche, Yacine Mohia (2013) : "Identification of raining clouds using a method based on optical and microphysical cloud properties from Meteosat second generation daytime and nighttime data", **Applied Water Science** (2013), 3:1-11 DOI 10.1007/s13201-013-0079-0
- 68.** M. Lazri, Z. Ameur, S. Ameur, Y. Mohia, **J.-M. Brucker**, Jacques Testud (2013) : "Rainfall estimation over a Mediterranean region using a method based on various spectral parameters of SEVIRI- MSG", **Advances in Space Research ELSEVIER**, Vol 52, Issue 8; 15 oct 2013; pages 1450-1466
- 1.** **J.-C. Huet**, K. Kouiss, J.-L. Paris, M. Gourgand (2013) "A new reengineering methodology for the product driven applied to the medication-use process", **Decision Support Systems - DSS**, 55(2), pp. 599-615.
  - 2.** **B. Amghar, A.-M. Darcherif**, J.-P. Barbot. "Z(TN)-Observability and control of parallel multicell chopper using Petri nets", **IET Power Electronics, Volume 6, Issue 4**, April 2013, pp. 710 720. ISSN 1755-4543.

## II. ARTICLES DE REVUES NATIONALES

1. S. Hamaci (2018) « Comportement dynamique des systèmes à événements discrets dans l'algèbre des dioïdes », **Technique de l'ingénieur**, Janvier 2018.
2. N. Curatolo, S. Lamouri, **J.-C. Huet**, A. Rieutord (2015). « Démarches d'amélioration en milieu hospitalier : du management de la qualité totale au Lean », **Annales Pharmaceutiques Françaises**. Vol. 73, N° 4, pp. 245-256.

### III. CHAPITRES D'OUVRAGES SCIENTIFIQUES

1. **K. Labadi, A.-M. Darcherif, I. El Abbassi, S. Hamaci** (2018) "Cyber-Risk and Security in Supply Chain Management Based on ICT Systems : A Stochastic Petri Nets Approach", in the book **"Cyber Defence in Industry 4.0 Systems and Related Logistics IT Infrastructures"**, ISBN 978-1-61499-887-7, NATO Science Series, IOS PRES Publisher, pp. 76-98, 2018. 8
2. **I. El Abbassi, S. Hamaci, K. Labadi, A.-M. Darcherif** (2018) "Industry 4.0, Global Analysis including energy considerations and Cyber-Security constraints", in the book **"Cyber Defence in Industry 4.0 Systems and Related Logistics IT Infrastructures"**, ISBN 978-1-61499-887-7, NATO Science Series, IOS PRES Publisher, pp. 76-98, 57-75, 2018.
3. Rositsa Velichkova, Tsvetelina Petrova, Iskra Simova, Georgi Bardarov, Detelin Markov, **M. Uzunova**, (2018) "Water Resource Management in Bulgaria", **Book: Water Resources Management in Balkan Countries**, edited by Aazim M. Negm, Gheorghe Romanescu and Martina Zelenakova (in Press, 2018).
4. **A.-M. Darcherif, C. Pannetier, K. Labadi**, (2018) "Villes de demain: Les démonstrateurs, outils de conception des futures éco-systèmes urbains » Chapitre d'ouvrage (pp. 63-86), **"Territories Intelligents: un modèle si smart?"**, Editions de l'Aube, 18 octobre 2018, 328 pages.
5. **M. Benkherrat** (2018), "Digital Exchange Communication System for Children and Youths with Autism", In: Arai K., Kapoor S., Bhatia R. (Eds) Intelligent Systems and Applications. IntelliSys 2018. **Advances in Intelligent Systems and Computing, vol 869. Springer**, Cham, Print ISBN 978-3-030-01056-0.
6. A.A. Kadri, I. Kacem, **K. Labadi**, (2016) "A Memetic Algorithm for Solving the Multiple Vehicles Routing Problem in Bicycle Sharing-Systems", In the book **« Uncertainty Modelling in Knowledge Engineering and Decision Making»**, Edited by Martinez Luis, Kerre Etienne E, Lu Jie, **World Scientific Series on Computer Engineering and Information Science**, ISBN 9813146982, 9789813146983, Vol. 10, Part 7, pp. 764-769.
7. A. Talhi, **J.-C. Huet**, V. Fortineau, S. Lamouri (2015) « Toward an ontology-based architecture for Cloud Manufacturing ». In the book : Service Orientation in Holonic and Multi-agent Manufacturing, Publisher: **Springer International Publishing**, Editors: **Theodor Borangiu, André Thomas, Damien Trentesaux**, pp 187-195. Février 2015.

(10)

## IV. Articles de Conférences Internationales (Avec Comités de Lecture)

**Année 2018 //**

1. L. Masurel, **C. Bianca**, A. Lemarchand (2018). "Thermostatted kinetic theory approach to the competition between cancer and immune system cells in an inhomogenous System", **31st International Symposium on Rarefied Gas Dynamics, RGD31, Glasgow, United Kingdom 23-27 July 2018, American Institute of Physics conference proceedings.**
2. A. Sadiqi, **I. El Abbassi** and Alah El Barkany and El Biyaali (2018) " Modèle d'ordonnancement sous contraintes d'énergie et d'indisponibilité de la machine. **International Meeting on Advanced Technologies in Energy and Electrical Engineering (IMAT3E'18), 22-23 November, Fez, Marocco.**
3. A. Sadiqi, **I. El Abbassi** and Alah El Barkany (2018) "Bi-objective for non-permutation flow shop scheduling with unavailability constraints to minimize total energy consumption and makespan. **International Meeting on Advanced Technologies in Energy and Electrical Engineering, 2018.**
4. R. Velichkova, I. Simova, D. Markov, V. Makakov, **M. Uzunova**, Valeria Schwanitz, (2018) "Utilization of wave energy by hybrid system", **5th International Symposium on Environment-Friendly Energies and Applications, EFEA'2018, Rome, Italy.**
5. Z. Ibn M. Hassani, A. El Barkany, A. Jabri, **I. El Abbassi** and **A.-M Darcherif** (2018) "Hybrid approach for solving the integration of planning and scheduling". **Conférence Internationale sur le Monitoring des Systèmes Industriels (CIMSI'18)**
6. A. Sadiqi, **I. El Abbassi**, A. El Barkany and A. El Biyaali (2018). "Comparative analysis the simultaneous scheduling problems of production and maintenance activities". **International Colloquim on Logistics and Supply Chain Management (LOGISTIQUA 2018), Tanger, Maroc. 26 et 27 Avril 2018.**
7. I. Ziouani, B. Amghar, **I. El Abbassi**, **A.-M Darcherif**, D. Boukhetala (2018). "Enhancing the power quality of an islanded microgrid that includes renewable energy sources". **International Conference on Materials and Energy (ICOME 18), San Sebastian, Spain, April 30 May 04, 2018.**
8. Z. Ibn Majdoub Hassani, A. El Barkany , A. Jabri, **I. El Abbassi** , **A.-M Darcherif** (2018). "Contribution to the modeling of the integrated approach of planning and scheduling". **International Conference on Materials and Energy (ICOME 18), San Sebastian, Spain, April 30 May 04, 2018.**
9. G. Lebbar, A. El Barkany, A. Jabri, **I. El Abbassi** and **A.-M Darcherif**, (2018) "Applying combined evolutionary algorithms for solving the blocking flowshop scheduling problem".

(11)

**International Conference on Materials and Energy (ICOME 18)**, San Sebastian, Spain, April 30 May 04, 2018.

10. G. Lebbar, A. El Barkany, A. Jabri and **I. El Abbassi**, (2018) "Solving the Blocking Flowshop Scheduling Problem Using Simulated Annealing Genetic Algorithm", **International Colloquim on Logistics and Supply Chain Management (LOGISTIQUA 2018)**, Tanger, Maroc. 26 et 27 Avril 2018.
11. Z. Ibn Majdoub Hassani, A. El Barkany, A. Jabri and **I. El Abbassi** (2018). (New approach to integrate planning and scheduling of production system), **4th International Conference on Optimization and Applications (ICOA) 2018**.
12. Z. Ibn Majdoub Hassani, A. El Barkany, A. Jabri, **I. El Abbassi** (2018), Fatima zahra Guini. "Experimental verification of integrated approaches for planning and scheduling production systems". **International Conference on Technology, Engineering and Mathematics, TEM2018**, March the 26th-27th 2018.
13. Z. Ibn Majdoub Hassani, A. El Barkany, A. Jabri and **I. El Abbassi**. (2018) "New approach to integrate planning and scheduling of production system", **4th International Conference on Optimization and Applications (ICOA) 2018**.

## Année 2017 //

---

14. T. Benarbia, **K. Labadi**, S. Hamaci, B. Aour, A. Omari (2017) "Electric cars-sharing systems modeling and analysis", **IEEE International Conference on Control, Automation and Diagnosis, ICCAD'17, January 19-21, 2017 at Hammamet, Tunisia**. (IEEE Publisher).
15. M. Boudiaf, **M. Benkherrat**, K. Mansouri (2017), "Comparison of adaptive algorithms for single-trial event-related potentials extraction", **IEEE Intelligent Systems Conference (IntelliSys), 2017, Pages: 1147 - 1150**.
16. **C. Bianca**, G. M. Gallo and S. Motta (2017), "Tumor escape: A mathematical model", **IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Kansas City, MO, USA, 13-16 November 2017, ISBN: 978-1-5090-3051-4, pp. 1420-1424**.
17. Velichkova, R, Simova, I. Markov, D, Makakov, V, **Uzunova, M, Darcherif, A.-M.**, Chen, GY, (2017) "Analytical study of water turbine with fluctuating blades", **International conference in energy and sustainability in small developing economies (ES2DE)**, JUL 10-12, 2017, Madeira, DOI: 10.1109/ES2DE.2017.8015335.
18. M. Boudiaf, **M. Benkherrat**, M.-A Boudiaf (2017), Partial-update adaptive filters for event-related potentials denoising, **IET 3rd International Conference on Intelligent Signal Processing (ISP 2017), Pages: 1-6**.
19. Z. Ibn Majdoub Hassani, A. El Barkany, A. Jabri, **I. El Abbassi, A.-M. Darcherif**. (2017) "Approches intégrées de la planification et d'ordonnancement des systèmes de production: Comparaison numérique », **CIMOSM 2017, Congrès International de Modélisation et Optimisation des Systèmes Mécaniques**, Décembre 2017, FST, Fès, Maroc.

(12)

20. G. Lebbar, A. El Barkany, A. Jabri, **I. El Abbassi** and **A.-M Darcherif**. (2017) "Combining Simulated Annealing and Genetic Algorithm for Solving the Flowshop Scheduling Problem with Limited Buffers". CIMOSM 2017, **Congrès International de Modélisation et Optimisation des Systèmes Mécaniques**, Décembre 2017, FST, Fès, Maroc
21. Z. Ibn Majdoub Hassani, A. El Barkany, A. Jabri, **I. El Abbassi, A.-M. Darcherif** (2017) "Approches intégrées de la planification et d'ordonnancement des systèmes de production: Comparaison numérique », CIMOSM 2017, **Congrès International de Modélisation et Optimisation des Systèmes Mécaniques**, Décembre 2017, FST, Fès, Maroc
22. **B. Amghar, I. El Abbassi and A.-M. Darcherif (2016)** "New optimization method for energy production by wind farm" **International Conference Materials and Energy, 17ICOME17**. July 06-09, 2017 Tianjin, China.
23. I. Ziouani, D. Boukhetala, **A.-M Darcherif, B. AMGHAR, I. EL ABBASSI**, (2017) "A Hierarchical Control for Flexible Single-Phase Microgrid Based on Parallel VSIs". **6th International Conference on Systems and Control (ICSC)**, May 2017, Batna, Algeria.
24. M. Rouissiya, **I. El Abbassi, B. Amghar**, A. Saad, (2017) "Electrical energy wireless transfert: Application to electric roads". **15th International Conference on Electrical Machines, Drives and Power Systems (ELMA)**, 2017.
25. I. Ziouani, D. Boukhetala, **A.-M Darcherif, B. Amghar** (2017) "A hierarchical control for flexible single-phase microgrid based on parallel VSIs . **2017 6th International Conference on Systems and Control (ICSC)**.

## **Année 2016 //**

---

26. A.A. Kadri, I. Kacem, **K. Labadi**, (2016) "A Memetic Algorithm for Solving the Multiple Vehicles Routing Problem in Bicycle Sharing-Systems", **The International FLINS conference, August 24-29<sup>th</sup>, 2016 - Roubaix, France**, (World Scientific Publisher).
27. I. Antonov, R. Velichkova, K. Grozdanov, **M. Uzunova, I. El Abbassi** (2016) "The possibility of replacing solid walls with water curtain applicable to a large underground garage", **EFEA'2016**, 14-16 September 2016, Belgrade, Serbia.
28. **M. Uzunova, A.-M. Darcherif**, Rositsa Velichkova (2016) "Traffic Impact for Breadth-First Search-Based Remaining Range Prediction for Electric Vehicle: an analysis on Paris and suburbs ways", **The 5<sup>th</sup> IEEE International Conference on Advanced Logistics and Transport (ICALT'2016)**, 1-3 June 2016, Krakow, Poland.
29. T. Sellami, **S. Jelassi, A.-M. Darcherif**, H. Berriri, M.F. Mimouni (2016), "3D Finite Volume Model for Free and Forced Vibrations Computation in on -Shore Wind Turbines", **7<sup>th</sup> International Conference Sciences of Electronics, Technologies of Information and Telecommunications, Hammamet, Tunisie, SETIT 2016, 18-20 December 2016**
30. T. Sellami, **S. Jelassi**, H. Berriri, M.F. Mimouni, **A.-M. Darcherif**, (2016) "Experimental Validation of an original 3-D Finite Volume Method Model Applied to Wind Turbines Design

(13)

under Vibration and Shock Constraints. TRÉVISE Platform", Analyse Vibratoire Expérimentale, Blois, France, AVE 2013, 15-17 November 2016.

31. Rositsa Velichkova, Ivan Antonov, Kamen Nikolov, Kamen Grozdanov, **M. Uzunova** (2016), "Modeling of the occurrence of fire in closed cars garages", **EFEA'2016**, 14-16 September 2016, Belgrade, Serbia.
32. T. Sellami, **S. Jelassi**, M.F. Mimouni, **A.-M. Darcherif**, (2016) " Original Numerical Analysis Of Wind Turbine Vibrations", **The 7th International Renewable Energy Congress, Hammamet, Tunisie, IREC 2016**, 22-24 March 2016.
33. Veselin Varbanov, Emanuil Agontsev, Rositsa Velichkova, **M. Uzunova** (2016) "Development of a Hydrogen Sulphide Plant", **EFEA'2016**, 14-16 September 2016, Belgrade, Serbia.
34. Emanuil Agontsev, Veselin Varbanov, Rositsa Velichkova, Venelin Makakov, **M. Uzunova**, Iskra Simova, Detelin Markov (2016), "On the possibility for sea and ocean waves energy utilization by a turbine with fluctuating blades", **EENVIRO 2016**, 26-28 October 2016, Bukuresti, Romania.
35. V. Stoyanov, **M. Uzunova**, A. Terziev, Modélisation numérique des flux diphasiques dans les espaces confinés (garages), **XIX International Scientific Conference FPEPM 2014**, September 14-17 2014, Sozopol

### **Année 2015 //**

36. A.A. Kadri, **K. Labadi**, I. Kacem (2015) "A Bi-Objective Simulation-Optimization approach for solving the dynamic vehicles routing problem in bicycle sharing systems", **ECEC'2015, 22nd European Concurrent Engineering Conference, April, 27-29th 2015, IST, Lisbon, Portugal, (Best Paper Award)**.
37. A.A. Kadri, **K. Labadi**, I. Kacem, (2015) "On Balancing Bicycle Sharing Systems: A Hybrid GA for solving the multiple vehicles routing problem". **45rd International Conference on Computer and Industrial Engineering (CIE45), October, 28-30th 2015, Metz, France**.
38. **I. EL Abbassi, K. Labadi**, S. Hamaci, and A.-M. Darcherif, (2015) "Energy Management and optimization in Manufacturing Systems" **APIEMS 2015, The 16th Asia Pacific Industrial Engineering and Management Systems Conference International University-VNU HCMC, Ho Chi Minh City, Vietnam**.
39. H. Kahouadji, **K. Labadi**, **S. Hamaci**, **I. EL Abbassi**, Z. Sari, (2015) "Algorithmic Approach to optimize Resources Of A Manufacturing System By Using Petri Nets" **APIEMS 2015, The 16th Asia Pacific Industrial Engineering and Management Systems Conference International University-VNU HCMC, Ho Chi Minh City, Vietnam**.
40. **S. Hamaci, I. El-Abbassi, M. Uzunova and A.-M. Darcherif** "Reference architecture for modeling the dynamic behavior of smart manufacturing systems" (2015) **The 16th Asia Pacific Industrial Engineering and Management Systems Conference**, Ho Chi Minh City, Vietnam, APIEMS 2015.

(14)

41. H. Kahouadji, **S. Hamaci, K. Labadi**, Z. Sari, (2015) "On Computing Cycle Time in Weighted Event Graphs" APIEMS 2015, **The 16th Asia Pacific Industrial Engineering and Management Systems Conference International University-VNU HCMC, Ho Chi Minh City, Vietnam.**
42. M. Boudiaf, **M. Benkherrat**, K. Mansouri (2015), "Single-Trial Evoked Potential Extraction Using VSS-LMS Adaptive Hermite Modelling", **2015, International Conference on Automatic control, Telecommunication and Signals**, Annaba University (Algeria).
43. Mohammed El Ganaoui, Darcherif A -M, **I. El Abbassi I.** (2015) "Some Effects of Heat and Mass Transfer of Innovative Walls on Building Energy Performance". **BIT's 2nd Annual International Conference of Emerging Industry-2015 (ICEI-2015)**, Shenzhen, China.
44. **B. Amghar, I. El Abbassi**, M. A. M. Mladjao and **A.-M Darcherif** (2015) "Smart Energy Management of a Hybrid Micro-grid system" **2nd International Conference on Automatics and Mechatronics CIAM'2015**, 10-11 November 2015, Oran, Algeria.
45. Hicham Bidaoui , **I. El Abbassi** , Amajid El Bouardi and **A -M Darcherif** (2015). "WIND CHARACTERISTICS AND ENERGY POTENTIALS IN THREE LOCATIONS NORTHERN MOROCCO". Proceedings of ECOS 2015 - the **28th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems**, June 30-JULY 3, 2015, PAU, FRANCE.
46. M. Al'anfaf Mohamed Mladjao, **I. El Abbassi I.**, El Ganaoui M. and **Darcherif A.-M.**, (2015) "Petri nets used for modelling and optimization of interconnected power networks and territories". Proceedings of ECOS 2015- the **28th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems**, June 30-JULY 3, 2015, PAU, FRANCE.
47. Youness El Mghouchi, **I. El Abbassi**, Zakaria Choulli, Driss Taoukil, Taib Ajzoul and Amajid El Bouardi (2015) "Prediction of solar radiation fluxes over northern Morocco". **ICOME 2015, International Conference on Materials and Energy**, May 2015, Tetouan, Morocco
48. Hicham Bidaoui , **I. El Abbassi** , Amajid El Bouardi and **A -M Darcherif** (2015) "heating and cooling power demand of residential building with diffirent envelope design under moroccan conditions". **ICOME 2015, International Conference on Materials and Energy**, May 2015, Tetouan, Morocco
49. Mohamed Ameur , **I. El Abbassi** , Aaziz Mimet , **A.-M. Darcherif** (2015) "state of the bioclimatic art path in france and its wearablity in morocco". **ICOME 2015, International Conference on Materials and Energy**, May 2015, Tetouan, Morocco
50. Muhammad Al'anfaf Mohamed Mladjao, **I. El Abbassi**, Mohammed El Ganaoui, **A.-M Darcherif, B. Amghar** and Angel Scipioni. (2015) "Towards a better energetic efficiency in the use of urban multi-source systems: Application to a campus building". **ICOME 2015, International Conference on Materials and Energy**, May 2015, Tetouan, Morocco

- 51.** M. Uzunova, J.C. Huet, I. El Abbassi (2015) "Modèle générique de connaissance d'une ville intelligente". **Xème Conférence Internationale de Modélisation, Optimisation et Simulation. MOSIM'14**, 7-9 Novembre 2014 -Nancy -France.
- 52.** A. Talhi, J.-C. Huet, V. Fortineau, S. Lamouri (2015) "Towards a Cloud Manufacturing systems modeling methodology", **15th IFAC Symposium on Information Control Problems in Manufacturing – INCOM'15**, Ottawa, Canada, 11- 12 mai 2015, 6 pages.

## Année 2014 //

---

- 53.** A.A. Kadri, I. Kacem, K. Labadi, (2014) "Metaheuristic methods for solving the static balancing problem in public bicycle-sharing systems" **International Conference on Computational Intelligence for Modelling, Control and Automation (CIMCA'2014)**, Dec 2014, Vienne, Austria.
- 54.** I. El Abbassi, Jean Castaing-Lasvignottes, A.-M Darcherif (2014) "The Study of coupling the production and distribution of an ice slurry loop". **International Conference on Green Energy (ICGE)**, (25-27 Mars 2014), Tunisie.
- 55.** I. El Abbassi, Jean Castaing-Lasvignottes, A.-M Darcherif (2014) "The energetic performance analysis of the coupling between the production and distribution of an ice slurry loop". **International Conference on Green Energy (ICGE 2014)**, 25-27 Mars 2014, Tunisie.
- 56.** T. Sellami, S. Jelassi, H. Berriri, M.F. Mimouni, A.-M. Darcherif, (2014) "Impact of Inter-Turn Short-Circuit Fault on Wind Turbine Driven Squirrel-Cage Induction Generator Systems", **International Conference on Electrical Sciences and Technologies in Maghreb**, , Tunis, Tunisie, CISTEM 2014, 03-05 Novembre 2014.
- 57.** B. Amghar, I. Alabassi, M. A. M. Mladjao, A.-M Darcherif (2014) « A new hybrid control method for multi-cell choppers. Application to power renewable energy Systems », **2014 International Renewable and Sustainable Energy Conference (IRSEC) Year : 2014 Pages : 447 - 452, DOI : 10.1109/IRSEC.2014.7059839 IEEE Conference Publications**, Ouarzazate, Morocco – October 17-19, 2014.
- 58.** S. Jelassi, R. Romary, J.F. Brudny, (2014) "Stator Windings Short-Circuit Fault Diagnosis in Induction Machines Using Vibration and External Magnetic Field Analysis", **32<sup>th</sup> Machinery Vibration Annual Seminar, Montréal, Quebec, Canada, CMVA 2014, 29-31 October 2014.**
- 59.** B. Amghar, A.-M. Darcherif, J.-P. Barbot, D. Boukhetala (2014), "Modeling and Control of Series Resonant Converter for High Voltage Applications", **ENERGYCON 2014 : IEEE International Energy Conference**, IEEE, 13-16 May 2014, Dubrovnik, Croatia 2014 , pp. 231- 236
- 60.** V. Stoyanov, M. Uzunova, A. Terziev, (2014) "Numerical modeling and analysis of bi-phasic flows in garages", **3rd International Symposium on Environment-Friendly Energies and Applications (EFEA 2014)**.

61. A. Talhi, **J.C. Huet**, V. Fortineau, S. Lamouri. « Toward an Ontology-based Architecture for Cloud Manufacturing, 4th Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing” – **SOHOMA’14**, Nancy, France, 5–6 novembre 2014, pp. 164–173.
62. Youness El Mghouchi, **I. El Abbassi**, Zakaria Choulli, Taïb Ajzoul, Amajid El Bouardi (2014) « Predict of the direct, diffuse and global solar fluxes of Tetouan City in northern Morocco », **The 2nd International Renewable and Sustainable Energy Conference (IRSEC'14)**, Ouarazazate, Morocco – October 17-19, 2014.
63. **B. Amghar, I. El Abbassi**, M. A. M. Mladjao, **A.-M. Darcherif** (2014) “A new hybrid control method of power electronics converters for wind turbine systems ”. **International Conference on Communication Technology and Application (CTA2014)**, August 19-20, 2014, in Beijing, China.
64. **B. Amghar, I. EL ABBASSI**, M. A. M. Mladjao, **A.-M. Darcherif** (2014) “A new hybrid control method of Power Electronics Converters for Wind Turbine Systems”. **International Conference on Communication Technology and Application (CTA2014)**, Beijing, China , August 19-20 (2014).
65. H. Bidaoui, K. Barradouane, **I. El Abbassi**, A. El Bouardi, **A.-M. Darcherif** (2014) “Contribution à l'amélioration de l'efficacité énergétique Passive et Active d'un prototype d'habitat à plancher solaire direct », **International Workshop on Waste and Energy**, Tétouan, 15 - 17 octobre 2014.

## **Année 2013 //**

---

66. T. Benarbia, **K. Labadi**, **A.-M. Darcherif**, JP. Barbot, and A. Omari, (2013) “Real-Time Inventory Control and Rebalancing in Bike-Sharing Systems by Using a Stochastic Petri Net Model”, **3th IEEE International Conference on Systems and Control (ICSC'13) 29-31, October 2013, Hotel Hilton, Algiers, Algeria.** (IEEE Publisher).
67. \***M. Uzunova**, M. DJEMAI, (2013) “Analysis from robust control under environnement constraint. Application for traffic model”, **ICALT'2013**, IEEE International Conference, Volume 978-1-4799-0313-9/13, page 88--93 - mai 2013 (\* Best Paper Award).
68. A.A. Kadri, **K. Labadi**, I. Kacem (2013) “Stochastic Petri net and genetic algorithm for rebalancing of public bicycle-sharing systems”, **CIE43, 43<sup>rd</sup> International conference on computers & Industrial Engineering, 16-18 October 2013, Hong Kong**.
69. T. Benarbia, **K. Labadi**, A. Omari, J.-P. Barbot, (2013) “Balancing dynamic bike-Sharing Systems : A Petri nets with variable arc weights based approach”, **CoDIT 2013, IEEE International Conference on Control, Decision and Information Technologies, May 6-8, Hammamet, Tunisia.** (IEEE Publisher).
70. H. Kahouadji, S. Hamaci, **K. Labadi**, Z. Sari, (2013) “A new upper bound of cycle time in weighted marked graph”, **CoDIT 2013, IEEE International Conference on Control, Decision and Information Technologies, May 6-8, Hammamet, Tunisia.** (IEEE Publisher).

71. A. Benfekir, **S. Hamaci, A.-M. Darcherif**, L. Laval and M. Bouhamida (2013) "On the Nonlinear Dynamic Behavior of Unrelaxed Timed Petri Nets in Idempotent Semirings" **IEEE Conference, 18th International conference on Methods and Models in Automation and Robotics**, Międzyzdroje , Poland" 26-29 August , 2013.
72. **J.-C. Huet, I. El Abbassi** (2013) "Green Cloud Computing modelling methodology". IEEE/ACM, **6th International Conference on Utility and Cloud Computing**, pp. 339-344, December 2013, ISBN: 978-0-7695-5152-4.
73. T. Sellami, **S. Jelassi**, H. Berriri, M.F. Mimouni, (2013) "Sliding Mode Observer-Based Fault-Detection of Inter-Turn Short-Circuit in Induction Motor", **14<sup>th</sup> International Conference on Sciences and Techniques of Automatic Control & Computer Engineering, Sousse, Tunisia, 20-22 December 2013**
74. **S. Jelassi**, R. Romary, J.F. Brudny, « Stator Inter-Turn Short-Circuit Effect on Vibro-Acoustic Behaviour in Induction Machine » (2013), **The 9<sup>th</sup> International Symposium on Electric and Magnetic Fields, Bruges, Belgique, 23-25 April 2013**.
75. M Lazri, **J.-M Brucker**, Slimane Hameg, S. Ameur, F. Ouallouche, Yacine Mohia & M. Sehad (2013), "Analysis of the time trends of precipitation over Mediterranean Region", **International Conference on Systems and Information Processing**, ICSIP'13 May 12-14, 2013, Guelma, Algeria.
76. N. Curatolo, S. Lamouri, **J.-C. Huet**, A. Rieutord. (2013) « Business Process Improvement in the hospital setting using a Lean approach: state of the art», **5th International Conference on Industrial and Systems Management** – IESM'13, Rabat Maroc, 28-30 October 2013, 7 pages.
77. Talhi, S. Lamouri, V. Fortineau, **J.-C. Huet**, X. Lopez. (2013) « Study of a new tool to overcome collaboration issues within PLM: the Cloud Manufacturing», **8ème Conférence Internationale Conception & Production Intégrées** – CPI'2013, Tlemcen, Algérie. 21-23 octobre 2013, 6 pages.
78. Talhi, **J.-C. Huet**, S. Lamouri, V. Fortineau. « Cloud Manufacturing as a new tool to overcome collaboration issues within PLM», **Doctoral Workshop in The IFIP WG5.1 10th International Conference – PLM'13**, Nantes, France. 6-8 juillet 2013.
79. **B. Amghar , A.-M. Darcherif**, J-P. Barbot (2013)"Observability analysis for parallel multicell chopper". *Proceedings of IEEE SSD11*, April 2013, p. 710 720. ISSN 1755-4543.



## V. Communications Internationales & Nationales (Articles courts, Résumés ou Sans Actes)

1. **M. Benkherrat**, P. Legendre (2018), "Software application to enhancing the communication of the children with autism" *4th International Symposium Energy and City of the Future*, Fès, Maroc, EVF 2018, 25-26 October 2018.
2. A. Hamroun, **K. Labadi**, M. Lazri (2018) "Stochastic and Discrete Event Model for simulation and performance evaluation of cars-sharing networks" *4th International Symposium Energy and City of the Future*, Fès, Maroc, EVF 2018, 25-26 October 2018..
3. L. Masurel, **C. Bianca**, A. Lemarchand (2018) "On the effect of learning control in the competition between cancer cells and immune system cells" *Journées Théorie, Modélisation et Simulation*, ENS, Paris, 24-25 May 2018.
4. **M. Dalla Via, C. Bianca, I. El Abbassi and A.-M. Darcherif** (2018) "On the urban development of Fès: A Fokker-Planck approach. EVF'2018 5rd International Symposium « Energy & City of the Future » October 25-26, 2018, Fès, MOROCCO.
5. A. Sadiqi, **I. El Abbassi**, A. El Barkany and A. El Biyaali (2018) "A Proactive Approach to Solve Integrated Production Scheduling and Maintenance Planning Problem in Flow Shops to Minimize Total Energy Consumption (TEC) ", *1st International Online Conference on Nanoscience and Nanotechnology* (N@NO'2018), 29-30 December 2018.
6. G. Lebbar, **I. El Abbassi**, A. El Barkany, A. Jabri and **A.-M. Darcherif** (2018) "An Improved Evolutionary Algorithm for Solving the Multiobjective Flow Shop Scheduling Problems. EVF'2018, 5rd International Symposium « Energy & City of the Future » October 25-26, 2018, Fès, MOROCCO.
7. A. Sadiqi, **I. El Abbassi**, A. El Barkany, A. Biyaali and M. Mahmoudi (2018) "Mixed-integer linear programming models for scheduling under energy constraints and different resources: Compu-tational Comparison". EVF'2018 5rd International Symposium « Energy & City of the Future » October 25-26, 2018, Fès, MOROCCO.
8. **M. Dalla Via, C. Bianca, I. El Abbassi, A. Darcherif** (2018) "On the urban development of a city: A Fokker-Planck approach" *4th International Symposium Energy and City of the Future, Fès, Maroc, EVF 2018*, 25-26 October 2018.
9. A. Sadiqi, **I. El Abbassi**, A. El Barkany and A. El Biyaali (2018) "Two-Machine Job Shop Problem Under Availability Constraints on one machine: Total Energy Consumption (TEC) minimization", *1st International Online Conference on Nanoscience and Nanotechnology* (N@NO'2018), 29-30 December 2018.
10. A. Sadiqi, **I. El Abbassi**, A. El Barkany and A. El Biyaali (2018) "Integrated Production and Preventive Maintenance Scheduling for a Single Machine with Failure Uncertainty to

(20)

Minimize Total Energy Consumption ", **1st International Online Conference on Nanoscience and Nanotechnology** (N@NO'2018), 29-30 December 2018.

- 11. K. Labadi** (2017) « Cyber-Risk Analysis and Security in Supply Chain Management Based ICT Systems », *The International Conference on Transportation Systems and Smart Mobility (TSSM'2017), Hanoi, Vietnam, 17-18 October 2017.*
- 12. K. Labadi** (2017) « Cyber-Risk in Supply Chain : A Stochastic Petri Net Approach for Supply Chain Modelling and Performance Analysis for Cyber Risks purposes », *NATO Advanced Research Workshop (ARW) - G5172* « Cyber Defence in Industry 4.0 Systems and Related Logistics and IT Infrastructures, Jyväskylä, Finland, 16-21 october 2017.
- 13. K. Labadi** (2017) "Un tour d'horizon sur le transport durable et intelligent : Avancées et Challenges pour la ville du futur", **Colloque Territoires Intelligents : Un modèle si Smart? Effets paradoxaux d'une mutation technologique et sociale, 22-24 mars 2017.**
- 14. K. Labadi, J.-M. Brucker** (2017) "La Cyber-Sécurité au Coeur de la Ville Intelligente", **4<sup>th</sup> International Symposium Energy and City of the Future**", EVF 2017, **April 27-28, 2017.**
- 15. M. Rouissiya, A. Jaafari, A.-M. Darcherif, K. Labadi** (2017) "La plateforme TESLA : un outil au service de la conception de la route électrique du futur", **Colloque Territoires Intelligents : Un modèle si Smart? Effets paradoxaux d'une mutation technologique et sociale, 22-24 mars 2017.**
- 16. A. Jaafari** "Le scooter électrique en milieu urbain" International Conference on Transportation Systems and Smart Mobility (TSSM'2017) 17-18 october, Hanoi University of Science and Technology, Hanoi.
- 17. F. Mustapha, I. El Abbassi, T. Forvarin, E. Kadri, A. Kaci and A.-M. Darcherif** (2018) "Estimation du potentiel d'efficacité énergétique passive et active d'un container. EVF'2018 **5rd International Symposium « Energy & City of the Future »** October 25-26, 2018, Fès, MOROCCO.
- 18. A. Jaafari** (2017) "La route électrique Plateforme TESLA" International Conference on Transportation Systems and Smart Mobility (TSSM'2017) 17-18 october, Hanoi University of Science and Technology, Hanoi
- 19. K. Labadi, I. Kacem, A. Kadri** (2017) "Simulation and Optimization models for scheduling and balancing of Bicycle-Sharing Systems", **4<sup>th</sup> International Symposium Energy and City of the Future**", EVF 2017, **April 27-28, 2017.**
- 20. K. Labadi** (2017) " La révolution technologique dans le secteur du transport", **7<sup>ème</sup> Edition de la Semaine de l'Industrie 20-26 mars 2017, Cergy-Pontoise.**
- 21. K. Metieche, I. El abbassi, B. Amghar, M. Benghanem ,Zz. Azzouz, A.-M. Darcherif** (2017) " Véhicules hybrides électriques communicants. Etat de l'art et Perspectives ». EVF'2017 **4rd International Symposium « Energy & City of the Future »** 27-28 Avril 2017, Longwy (Lorraine, France).
- 22. N. Kechchar, B. Amghar, I. EL Abbassi, M. Benghanem, A. Omari, A.-M. Darcherif** (2017) " Management actif de l'énergie dans les véhicules électriques hybrides de demain ».

(21)

EVF'2017 4rd International Symposium « Energy & City of the Future » 27-28 Avril 2017, Longwy (Lorraine, France).

23. **K. Labadi** (2017) "Régulation et optimisation des systèmes de transport en libre-service", Séminaire Quartz-Lab, "Systèmes durables", 28 mars 2017, Cergy-Pontoise.
24. **A.-M. Darcherif, B. Amghar**, A. Doufene; "Optimization of Electrical Road Sections' construction" International Conference on Transportation Systems and Smart Mobility (TSSM'2017) 17-18 october, Hanoi University of Science and Technology, Hanoi
25. **K. Labadi**, A.-M. Darcherif (2016) "Linear programming method for the static rebalancing problem in car-sharing systems" EVF'2016, International Symposium « Energy and City of the Future », May 5, 2016, Queen's University, Kingston, Ontario, Canada.
26. T. Sellami, **S. Jelassi**, H. Berriri, , M.F. Mimouni, **A.-M. Darcherif** (2016), « Modal analysis for validating wind turbine models dedicated to vibration studies », International Symposium Energy & City of the Future, Kingstom, Canada, EVF 2016, 05 May 2016.
27. Z. Hammoudi, R. Absi, **I. El Abbassi, A.-M. Darcherif** (2016) « Simulation bidimensionnelle d'une hydrolienne à axe vertical dans un courant marin ». XIVÈMES JOURNÉES NATIONALES Génie Côtier - Génie Civil, Toulon, France. Paralia CFL.
28. **A. Jaafari** (2017) "Electric Highways" EVF'2017, International Symposium « Energy and City of the Future », 27-28 avril 2017 Université de Lorraine Longwy.
29. **A. Jaafari** "Le véhicule solaire, exemple du prototype de véhicule Jules Vernes développé pour la course en Australie" International Conference on Transportation Systems and Smart Mobility (TSSM'2017) 17-18 october, Hanoi University of Science and Technology, Hanoi
30. **A. Jaafari** "Etude et mise en œuvre d'un banc d'essai pour Vélo à Assistance Electrique" International Conference on Transportation Systems and Smart Mobility (TSSM'2017) 17-18 october, Hanoi University of Science and Technology, Hanoi
31. **R. Sasportas** (2016) "Ultra-wideband pulse modeling based on a multicarrier approach", EVF'2016, International Symposium « Energy and City of the Future », May 5, 2016, Queen's University, Kingston, Ontario, Canada.
32. M. Mahmoudi, **I. El Abbassi, A.-M. Darcherif**, A. El Barkanya and A. El Khalfia (2016) "A REVIEW OF EXISTING MICROGRID ARCHITECTURES, OPERATION AND MAINTENANCE CHALLENGES IN THE WORLDWIDE ENERGY CONTEXT", EVF'2016 3rd International Symposium « Energy & City of the Future » May 5, 2016, Kingston, Ontario, CANADA.
33. R. Velichkova, I. Antonov, **M. Uzunova, I. El Abbassi** (2016) "PREVENTING THE SPREAD OF FIRE IN MULTI-STORY BUILDINGS", EVF'2016 3rd International Symposium « Energy & City of the Future », May 5, 2016, Kingston, Ontario, CANADA.
34. **K. Labadi** (2015) "Eco-Mobilité, Un tour d'horizon sur les systèmes de transport urbains en libre-service", EVF'2015, International Symposium « Energy and City of the Future », May 21, 2015, Tétouan, Maroc.

- 35.** Mohamed Mladjao MOUHAMMAD AL'ANFAF, **I. El Abbassi, A.-M Darcherif**, Mohammed EL GANAoui (2015) « Contribution à l'usage du Mix-énergétique « PV/Thermique » pour l'électrification de zones isolées en Afrique. Application au Mali », **17èmes Journées Internationales de Thermique (JITH 2015)**, Marseille (France), 28 - 30 Octobre 2015.
- 36.** T. Sellami, H. Berriri, **S. Jelassi**, M.F. Mimouni, **A.-M. Darcherif (2015)**, « Diagnostic d'une génératrice asynchrone dans une éolienne à vitesse variable à base d'un observateur de court-circuit statorique », **International Symposium Energy & City of the Future, Tetouan, Maroc, EVF 2015, 21 Mai 2015**.
- 37.** A. Terziev, **M. Uzunova** (2015) « Analysis of the impact of ventilation systems on air changes in underground garages Fire », **Symposium International « Energétique et Ville du Futur », EVF'2015**, 21 mai 2015, Tétouan, Maroc.
- 38.** A. Talhi, **J.C. Huet**, V. Fortineau, S. Lamouri. « Une modélisation de domaine pour le Cloud Manufacturing fondée sur les ontologies », **16ème conférence ROADEF**, Marseille, France, 25–27 février 2015, 2 pages.
- 39.** **R. Sasportas (2015)** Quasi-orthogonal sequences for low power wireless sensor using event based radio wake-up, International Symposium « Energy & City of the Future » (Proceedings of EVF'2015), 21 mai 2015, Tetouan, Maroc.
- 40.** **M. Benkherrat**, Thomas Bouquet, Alexandra Struk, P. Legendre (2015) “Approches innovantes de l'éducation en faveur des personnes avec autisme, **2015, Paris, Les mardis de l'innovation, Université de la Sorbonne, 5 mai 2015**.
- 41.** **J.-M. BRUCKER**, Aziz BENTAJ (2015) « Valorisation des déchets de Fibres de Carbones ». EVF'2015 21 mai 2015, Tétouan MAROC.
- 42.** E.F. MAMI, M.S. BOUDGHENE, **J.-M. BRUCKER** (2015) « Gestion et traitement des déchets solides ménagers : l'expérience Algérienne ». EVF'2015 21 mai 2015, Tétouan MAROC.
- 43.** Muhammad Al'anfaf Mohamed Mladjao, **El Abbassi Ikram**, Figea Clément and Kanté Ibrahima (2015) “Analyse économique pour le choix entre un système hybride et l'extension du réseau national pour une commune isolée au Mali ». **EVF'2015**, 21 mai 2015, Tétouan, Maroc.
- 44.** Hicham Bidaoui, Ikram El Abbassi, Abdelmajid El Bouardi and Abdel Moumen Darcherif . Optimisation of grid-connected, photovoltaic and wind turbine system for office building north morocco. EVF'2015, 21 mai 2015, Tétouan, Maroc.
- 45.** H. Bidaoui, **I. El Abbassi**, A.-M. Darcherif, A. El Bouardi (2015) « Integration des energies renouvelables dans un habitat prototype au nord du Maroc». **EVF'2015**, 21 mai 2015, Tétouan, Maroc.
- 46.** M. Ameur, **I. El Abbassi**, A. Mimet , **A.-M. Darcherif** . « Etat de l'art de la filière bioclimatique en France et sa portabilité au Maroc ». **EVF'2015**, 21 mai 2015, Tétouan, Maroc.

- 47.** B. Amghar, I. El Abbassi, A-M. Darcherif, D. Boukhetala (2015) « Commande décentralisée et supervisée par un réseau de pétri. Application aux Mirco-Grids. **EVF'2015**, 21 mai 2015, Tétouan, Maroc.
- 48.** J-C. HUET, M. Uzunova, et I. El Abbassi (2015) « Modèle de connaissance des flux d'une Smart city ». **EVF'2015**, 21 mai 2015, Tétouan, Maroc.
- 49.** A.A. KADRI, K. Labadi and I. KACEM (2014) "An integrated stochastic Petri net and GA approach for rebalancing of self-service bicycle-sharing systems", **EVF'2014, International Symposium « Energy and City of the Future », April 11, 2014, Cergy-Pontoise, France**.
- 50.** Talhi, J.-C. Huet, V. Fortineau, S. Lamouri. (2014) « Towards a unified Cloud Manufacturing Ontology, présentation lors des **journées STP du GDR MACS, GT IMS<sup>2</sup>**, Paris, France. 3-4 Avril 2014.
- 51.** M. Uzunova, R. Potarusov, I. Kobersy (2014), "Traffic Impact for Breadth-First Search-Based Remaining Range Prediction for Electric Vehicle: an analysis on Paris and suburbs ways", **Colloque « Energétique et Ville du Futur », EVF'2014**, EPMI, Cergy-Pontoise, 11 avril 2014.
- 52.** H. Kahouadji, S. Hamaci, K. Labadi, Z. Sari (2013) « Couplage Simulation – Optimisation : Un cas réel d'une ligne de production pharmaceutique », **ROADEF 2013, 14e Congrès annuel de la société française de Recherche Opérationnelle et d'Aide à la Décision, 13-14-15 février 2013, UTT, Troyes, France**.
- 53.** Benfekir, S. Hamaci, L. Laval, M. Bouhamida (2013) "Sur le comportement dynamique des SED non linéaires des demi-anneaux idempotents", **16ème Rencontre Non Linéaire 2013, Paris**.
- 54.** J.-M Brucker (2013) « Le bâtiment intelligent du « dispositif » Grenelle aux modélisations et simulations afférentes à l'efficacité énergétique », BATIDEV ENP Oran avril 2013 (communication plénière sur invitation).
- 55.** N. Curratolo, S. Lamouri, J.-C. Huet, A. Rieutord, Démarches Lean en milieu hospitalier : proposition d'un cadre d'analyse. **5èmes Journées Doctorales / Journées Nationales MACS**, 11-12 juillet 2013, Strasbourg.
- ...