

Publications internationales des équipes 2014

1. Medjoudj R., Medjoudj R. and Aïssani D., *Reliability and Cost Evaluation of PV Module Subject to Degradation Processes*. *IJPE* (International Journal of Performability Engineering), Rams Consultants Ed., Vol. 10, n°1, 2014, pp. 95 – 104.
<http://www.ijpe-online.com/>
2. Adel-Aïssanou K., Aïssani D., Djellab N. and Mikou N., *A Stochastic Model to Study the Impact of the Transmission Frequency of Hello Messages on the Connectivity of Ad Hoc Networks*, “Telecommunication Systems Journal”, Springer Ed., Vol. 57, Issue 2, 2014, pp. 197 – 207. DOI 10.1007/s11235-013-9841-8.
<http://link.springer.com/article/10.1007/s11235-013-9841-8>
3. Boualem M., Djellab N. and Aïssani D., *Stochastic Bounds for a Single Server Queue with General Retrial Times*, “Bulletin of the Iranian Mathematical Society.”, Vol. 40, n°1, 2014, pp. 183 - 198.
http://bims.iranjournals.ir/?_action=articleInfo&article=489
4. Berdjoudj L. and Aïssani D., *An Analysis of the M/G/1 retrial Queue with Negative Arrivals using a Martingale Technique*. Journal of Mathematical Sciences, Springer Verlag – Kluwer, N.Y., Vol. 196, n°1, 2014, pp. 11 – 14.
<http://connection.ebscohost.com/c/articles/93675894/analysis-m-g-1-retrial-queue-negative-arrivals-using-martingale-technique>
5. Mouhoubi Z. and Aïssani D., *Uniform Ergodicity and Strong Stability of Homogeneous Markov Chains*. Journal of Mathematical Sciences, Springer Verlag – Kluwer, N.Y., Vol. 200, n°4, 07/2014, pp. 452 - 461. DOI: 10.1007/s10958-014-1928-6.
<http://link.springer.com/article/10.1007/s10958-014-1928-6>
6. Yazid M., Bouallouche – Medjkoune L., Aïssani D. and Ziane-Khodja L., *Analytical analysis of applying packet fragmentation mechanism on IEEE 802.11b DCF network in non ideal channel with infinite load conditions* Wireless Networks, Springer Ed., Vol. 20, Issue 5, 2014, pp. 917 – 934. DOI 10.1007/s11276-013-0653-2.
<http://link.springer.com/article/10.1007/s11276-013-0653-2>
7. Guerrouahane N., Bouzouzou S., Bouallouche-Medjkoune L. and Aïssani D., *Urban Congestion: Arrangement of Aamriw Intersection in Bejaia’s City*, In “BPM (Business Process Management): Process-Aware Logistics Systems”, “LNBIS (Lecture Note in Business Information Processing)”, Springer Ed. (Germany), Vol. 171, pp. 355 – 364. DOI: 10.1007/978-3-319-06257-0_28.
http://link.springer.com/chapter/10.1007%2F978-3-319-06257-0_28

8. Yazid M., Bouallouche – Medjkoune L., Aïssani D., Amrouche N. and Bakli K., *Analytical analysis of applying packet fragmentation mechanism on both Basic and RTS/CTS Access Methods on the IEEE 802.11b DCF Network under Imperfect Channel and Finite Load conditions*. *WPC* (Wireless Personal Communications), Springer Ed., Vol. 77, Issue 1, 2014, pp. 477 - 506.
<http://link.springer.com/article/10.1007%2Fs11277-013-1517-x>
9. Rahmoune F. and Aïssani D., *Quantitative Stability Estimates in Queues with Server Vacation*. *Journal of Mathematical Sciences*, Springer Verlag – Kluwer, N.Y., Vol. 200, n°4, July 2014, pp. 480 - 485. DOI: 10.1007/s10958-014-1932-x.
<http://link.springer.com/article/10.1007/s10958-014-1932-x>
10. Nacer H. and Aïssani D., *Web Services: Standards, Applications, Challenges and Solutions*, *JNCA* (Journal of Network and Computer Applications), Elsevier Ed., Vol. 44, pp. 134 - 151. DOI:10.1016/j.jnca.2014.04.015
<http://www.sciencedirect.com/science/article/pii/S1084804514001143>
11. Atmani M., Hadjadj – Aoul Y. and Aïssani D. *Energy-Aware Link Scheduling Protocol for Wireless Sensor Network*, *Wireless Personal Communications*, Springer Ed., Vol. 79, Issue 1, 2014, pp 417-435.
DOI: 10.1007/s11277-014-1865-1.
<http://link.springer.com/article/10.1007%2Fs11277-014-1865-1>
12. Yazid M., Adlen K., Bouallouche – Medjkoune L. and Aïssani D., *Performance Analysis of the TXOP Sharing Mechanism in the VHT IEEE 802.11ac WLANs*. *IEEE Communications Letters*, IEEE Ed., Vol. 18, n° 9, 2014, pp. 1599 - 1602. DOI: 10.1109/LCOMM.2014.2337253
<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6857362&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel7%2F4234%2F5534602%2F06857362.pdf%3Farnumber%3D6857362>
13. Bareche A. and Aïssani D., *Interest of Boundary Kernel Density Techniques in Evaluating an Approximation Error of Queueing Systems Characteristics*. *International Journal of Mathematics and Mathematical Sciences*, Hindawi Ed., Vol. 2014, Article ID 871357, 2014. <http://dx.doi.org/10.1155/2014/871357>
14. Bachiri L., Aïssani D. and Bouallouche-Medjkoune L., *Saturation Throughput Analysis of the IEEE 802.11e EDCA Network with Contention Free Burst under Fading Channel*, *Wireless Personal Communications*, Springer Ed., Vol. 79, Issue 1, 2014 pp 545-564.
DOI: 10.1007/s11277-014-1872-2.
15. Tiab A. and Bouallouche-Medjkoune L., *Routing in Industrial Wireless Sensor Networks: A Survey*. Hindawi Publishing Corporation, 2014.
http://download.springer.com/static/pdf/170/chp%253A10.1007%252F978-3-319-06257-28.pdf?auth66=1410365504_176bfae_d921b823460a6fad37c_d4af75&ext=.pdf
16. Zougab N., Adjabi S., and Kokonendji C., *Bayesian approach in nonparametric count regression with binomial kernel*. *International journal of Communications in Statistics - Simulation and Computation*. 2014
<http://www.tandfonline.com/toc/lssp20/43/5#.VC5cEctAQdU>

17. Zougab N., Adjabi S., and Kokonendji C., *Bayesian estimation of adaptive bandwidth matrices in multivariate kernel density estimation*. International Journal of Computational Statistics and Data Analysis, 2014.
<http://www.sciencedirect.com/science/journal/01679473/75>
18. Boualem Mouhamed, *Insensitive Bounds for the Stationary Distribution of a Single Server Retrial Queue with Server Subject to Active Breakdowns*. Advances in Operations Research, Volume 2014 (2014), Article ID 985453, 12 pages.
<http://www.hindawi.com/journals/aor/2014/985453/>
19. Kabyl K., Berrachedi A. and Sopena E., *A note on the cubical dimension of new classes of binary trees*. Czechoslovak Mathematical journal, 2014.
20. Radjef S and Bibi M.O., *A New Algorithm for Linear Multiobjective Programming Problems with Bounded Variables*. Arab J Math (2014) 3:79–92. DOI 10.1007/s40065-013-0094-x.
21. Bibi M.O. and Bentobache M., *A hybrid direction algorithm for solving linear programs*, International Journal of Computer Mathematics (IF2013=0.721), 2014, pp. 1-16, DOI:10.1080/00207160.2014.890188,
<http://dx.doi.org/10.1080/00207160.2014.890188>.
22. Slimani H. and Mishra S.K.. *Multiobjective fractional programming involving generalized semilocally V-type I-preinvex and related functions*. International Journal of Mathematics and Mathematical Sciences, vol. 2014, Article ID 496149, 12 pages, (2014). doi:10.1155/2014/496149
23. Slimani H. and Radjef M.S.. *Fritz John type optimality and duality in nonlinear programming under weak pseudo-invexity*. RAIRO-Operations Research, in press, DOI: 10.1051/ro/2014046 (2014).
24. Aïssani D., Romera-Lebret P. and Verdier N., *Mathématiques au Maghreb au XIX^e siècle : Regards Croisés*. Image des Mathématiques, C.N.R.S. Ed., Paris, 2014.
<http://images.math.cnrs.fr/spip.php?page=recherche&recherche=au+Maghreb>