

Lista celor mai relevante lucrări științifice (maximum 10 lucrări considerate).

Jurnale ISI cu factor de impact și scor relativ de influență

- [1] **Cailean, A.-M.**; Dimian, M., "Current Challenges for Visible Light Communications Usage in Vehicle Applications: A Survey," in *IEEE Com Communications Communications Surveys and Tutorials*, vol.PP, no.99, pp.1-23, doi: 10.1109/COMST.2017.2706940, (***ISI Impact factor = 17.188, SRI = 4.125***).
- [2] **Cailean, A.-M.**; Dimian, M., "Impact of IEEE 802.15.7 Standard on Visible Light Communications usage in Automotive Applications," *IEEE Communications Magazine*, vol. 55, no. 4, pp. 169-175, Apr. 2017, (***ISI Impact factor = 10.435, SRI = 2.538***).
- [3] **Cailean, A.-M.**; Dimian, M., "Toward Environmental-Adaptive Visible Light Communications Receivers for Automotive Applications: A Review," *IEEE Sensors Journal*, vol. 16, no.9, pp.2803-2811, May 2016, (***ISI Impact factor =2.538, SRI = 0.549***).
- [4] **Cailean, A.-M.**; Dimian, M.; Popa, V.; Chassagne, L.; Cagneau, B., "Novel DSP Receiver Architecture for Multi-Channel Visible Light Communications in Automotive Applications," *IEEE Sensors Journal*, vol. 16, no. 10, pp. 3597-3602, May15, 2016. (***ISI Impact factor = 2.538, SRI = 0. 549***).
- [5] **Cailean, A.-M.**; Cagneau, B.; Chassagne, L.; Dimian, M.; Popa, V., "Novel Receiver Sensor for Visible Light Communications in Automotive Applications," *IEEE Sensors Journal*, vol.15, no.8, pp.4632-4639, Aug. 2015, doi: 10.1109/JSEN.2015.2425473 (***ISI Impact factor = 2.538, SRI = 0.562***).

Teza de doctorat

- [6] **A.-M. Cailean**, "Study, implementation and optimization of a visible light communications system. Application to automotive field.", PhD Dissertation, Systems Engineering Laboratory, Saint Quentin University of Versailles, France, 2014 / Department of Computers, Electronics and Automation, Stefan cel Mare University of Suceava, Romania, 2015.

Conferințe internaționale indexate ISI și IEEE Explore

- [7] **Cailean, A.-M.**; Cagneau, B.; Chassagne, L.; Popa, V.; Dimian, M., "Design and performance evaluation of a DSP visible light communication receiver," *2014 IEEE 21st Symposium on Communications and Vehicular Technology in the Benelux (SCVT)*, pp.30-34, 10-10 Nov. 2014, doi: 10.1109/SCVT.2014.7046703.
- [8] **Cailean, A.-M.**; Cagneau, B.; Chassagne, L.; Topsu, S.; Alayli, Y.; Dimian, M., "Visible light communications cooperative architecture for the intelligent transportation system," *2013 IEEE 20th Symposium on Communications and Vehicular Technology in the Benelux (SCVT)*, pp.1-5, 21-21 Nov. 2013, doi: 10.1109/SCVT.2013.6736001 6716241.
- [9] **Cailean, A.**; Cagneau, B.; Chassagne, L.; Topsu, S.; Alayli, Y.; Dimian, M., "A robust system for visible light communication", *2013 IEEE 5th International Symposium on Wireless Vehicular Communications (WiVeC)*, pp.1-5, 2-3 June 2013, doi: 10.1109/wivec.2013.6698223.
- [10] **Cailean, A.**; Cagneau, B.; Chassagne, L.; Topsu, S.; Alayli, Y.; Blossenville, J.-M., "Visible light communications: Application to cooperation between vehicles and road infrastructures," *2012 IEEE Intelligent Vehicles Symposium (IV)*, pp.1055-1059, 3-7 June 2012, doi: 10.1109/IVS.2012.6232225 (***peste 25 citări, excluzând autocitările***).