

## Fișa de verificare

Numele și prenumele candidatului: CĂILEAN Alin-MihaiDenumirea postului didactic: lector / șef lucrări Poziția din statul de funcții 23**Standarde minimale pentru ocuparea prin concurs a posturilor vacante ale universității:**

Nr. crt.	Denumire standard	Documentele care dovedesc îndeplinirea standardelor
1.	Doctor / doctorand	Doctor
2.	Media examenului de finalizare a studiilor	8.85

**2. Cercetarea științifică**

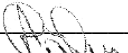
Nr.	Indicatori	Punctaj final	
		Factor – F	Propunere
2.1.	Articol / studiu publicat în revistă cotate ISI (A) / ERIH. (FI – factor de impact; SRI – scor relativ de influență)	100	$\frac{F + 50 \times (FI + SRI)}{nr. autori^*}$
	<b>Cailean, A.-M.;</b> Dimian, M., "Current Challenges for Visible Light Communications Usage in Vehicle Applications: A Survey," in <i>IEEE Communications Surveys and Tutorials</i> , vol.PP, no.99, pp.1-23, doi: 10.1109/COMST.2017.2706940, ( <i>ISI Impact factor = 17.188, SRI = 4.125</i> ).		$\frac{100 + 50 \times (17.188 + 4.125)}{2^*}$ <b>=582.85 puncte</b>
	<b>Cailean, A.-M.;</b> Dimian, M., "Impact of IEEE 802.15.7 Standard on Visible Light Communications usage in Automotive Applications," <i>IEEE Communications Magazine</i> , vol. 55, no. 4, pp. 169-175, Apr. 2017, ( <i>ISI Impact factor = 10.435, SRI = 2.538</i> ).		$\frac{100 + 50 \times (10.435 + 2.538)}{2^*}$ <b>=374.32 puncte</b>
	<b>Cailean, A.-M.;</b> Dimian, M., "Toward Environmental-Adaptive Visible Light Communications Receivers for Automotive Applications: A Review," <i>IEEE Sensors Journal</i> , vol. 16, no.9, pp.2803-2811, May 2016, ( <i>ISI Impact factor =2.538, SRI = 0.549</i> ).		$\frac{100 + 50 \times (2.538 + 0.549)}{2^*}$ <b>=127.175 puncte</b>
	<b>Cailean, A.-M.;</b> Dimian, M.; Popa, V.; Chassagne, L.; Cagneau, B., "Novel DSP Receiver Architecture for Multi-Channel Visible Light Communications in Automotive Applications," <i>IEEE Sensors Journal</i> , vol. 16, no. 10, pp. 3597-3602, May15, 2016. ( <i>ISI Impact factor = 2.538, SRI = 0.549</i> ).		$\frac{100 + 50 \times (2.538 + 0.549)}{5^*}$ <b>=50.87 puncte</b>
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Dimian, M.; Popa, V., "Novel Receiver Sensor for Visible Light Communications in Automotive Applications," <i>IEEE Sensors Journal</i> , vol.15, no.8, pp.4632-4639, Aug. 2015, doi: 10.1109/JSEN.2015.2425473 ( <i>ISI Impact factor = 2.538, SRI = 0.562</i> ).		$\frac{100 + 50 \times (2.538 + 0.549)}{5^*}$ <b>=50.87 puncte</b>
2.2.	Articol / studiu publicat în volumele manifestărilor științifice la conferințe cu proceedings-uri indexate ISI.	100	F/nr.autori*
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Popa, V.; Dimian, M., "Design and performance evaluation of a DSP visible light communication receiver," <i>2014 IEEE 21st Symposium on Communications and Vehicular Technology in the Benelux (SCVT)</i> , pp.30,34, 10-10 Nov. 2014, doi: 10.1109/SCVT.2014.7046703.		$\frac{100}{5}$ <b>=20 puncte</b>

Nr.	Indicatori	Punctaj final	
		Factor – F	Propunere
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Popa, V.; Dimian, M., "A survey on the usage of DSRC and VLC in communication-based vehicle safety applications," <i>2014 IEEE 21st Symposium on Communications and Vehicular Technology in the Benelux (SCVT)</i> , pp.69,74, 10-10 Nov. 2014, doi: 10.1109/SCVT.2014.7046710.		100/5 <b>=20 puncte</b>
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Dimian, M.; Popa, V., "Miller code usage in Visible Light Communications under the PHY I layer of the IEEE 802.15.7 standard," <i>2014 10th International Conference on Communications (COMM)</i> , pp.1,4, 29-31 May 2014, doi: 10.1109/ICComm.2014.686669.		100/5 <b>=20 puncte</b>
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Popa, V.; Dimian, M., "Evaluation of the noise effects on Visible Light Communications using Manchester and Miller coding," <i>2014 International Conference on Development and Application Systems (DAS)</i> , pp.85,89, 15-17 May 2014, doi: 10.1109/DAAS.2014.6842433 6716241.		100/5 <b>=20 puncte</b>
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Topsis, S.; Alayli, Y.; Dimian, M., "Visible light communications cooperative architecture for the intelligent transportation system," <i>2013 IEEE 20th Symposium on Communications and Vehicular Technology in the Benelux (SCVT)</i> , pp.1,5, 21-21 Nov. 2013, doi: 10.1109/SCVT.2013.6736001 6716241.		100/6 <b>=16.66 puncte</b>
	<b>Cailean, A.-M.;</b> Cagneau, B.; Chassagne, L.; Topsis, S.; Alayli, Y.; Dimian, M., "Design and implementation of a visible light communications system for vehicle applications," <i>2013 21st Telecommunications Forum (TELFOR)</i> , pp.349,352, 26-28 Nov. 2013, doi: 10.1109/TELFOR.2013.6716241.		100/6 <b>=16.66 puncte</b>
	<b>Cailean, A.;</b> Cagneau, B.; Chassagne, L.; Topsis, S.; Alayli, Y.; Dimian, M., "A robust system for visible light communication", <i>2013 IEEE 5th International Symposium on Wireless Vehicular Communications (WiVeC)</i> , pp.1,5, 2-3 June 2013, doi: 10.1109/wivec.2013.6698223.		100/6 <b>=16.66 puncte</b>
	<b>Cailean, A.;</b> Cagneau, B.; Chassagne, L.; Topsis, S.; Alayli, Y.; Blosserville, J.-M., "Visible light communications: Application to cooperation between vehicles and road infrastructures," <i>2012 IEEE Intelligent Vehicles Symposium (IV)</i> , pp.1055,1059, 3-7 June 2012, doi: 10.1109/IVS.2012.6232225.		100/6 <b>=16.66 puncte</b>
2.3.	Suținere referat în cadrul doctoratului.	25	F
	<b>Cailean, A.-M.;</b> Visible Light Communications - Stadiul actual de dezvoltare și viitoarele provocări.		<b>25 puncte</b>
	<b>Cailean, A.-M.;</b> Considerații asupra tehnicilor de codare și modelarea comunicațiilor prin lumina vizibilă. (Considerations on the coding techniques and Visible Light communications modelling)		<b>25 puncte</b>
	<b>Cailean, A.-M.;</b> Contribuții privind optimizarea și implementarea VLC - (Contributions concerning the optimization and implementation of Visible Light Communications (VLC))		<b>25 puncte</b>
2.4.	Suținere publică teza doctorat (punctaj acordat în anul susținerii).	50	F

**TOTAL PUNCTAJ: 1407.725 puncte**

Întocmit,

Nume, prenume și semnătură candidat

CĂILEAN Alin-Mihai 

Data,

16.06.2017