

# FLORIN CHIPER

Signal engineer

## DETALII

### ADRESĂ

Bucharest  
Romania

### TELEFON

+

### E-MAIL

## LINKURI

[Linkedin](#)

## ABILITĂȚI

Information technology

Leadership

Data analysis

Project management

Analytical skills

English

French

## PROFIL

Experienced Officer with a demonstrated history of working in the telecommunications industry. Skilled in Analytical Skills, Data Analysis, Information Technology, Leadership, and Project Management. Strong professional with a Master of Engineering - MEng focused in Telecommunications Engineering from University POLITEHNICA of Bucharest.

## ISTORIC PROFESIONAL

System Engineer , NCI The Hague

The Hague

Apr 2022 — Present

- Responsible for monitoring end to end provision of services, ensuring that all Service Delivery entities are properly engaged in the delivery of services and providing value.
- Support site surveys, site installations and provide on-site support.
- Perform hardware, software and monitoring systems troubleshooting for the supported AirC2 systems and internal support systems.
- Maintain the associated hardware/Communication related artefacts such as installation procedures, Hardware User Manuals, As-Build Drawings and other technical documents.
- Support the integration and testing of hardware and software configuration items as required.
- Liaise with the NCI Agency Centralised Service Desk (CSD) for problem resolution and provide second-line support as required.
- Knowledge in procurement procedures (SOP 16.01)
- Knowledge in NATO investment procedures of competitive bidding (AC/4-D/2261)

Officer in the Romanian Air Force (Chief of  
EW Operational Center), Romanian Air Force

Bucharest

Apr 2013 — Apr 2022

- Experienced in EW Support, Attack and Defence procedures for aviation;
- Experienced in target tracking;
- Experienced in RADAR technologies (Doppler, FMCV, Pulse, etc.)

- Engineering and support for ISR operations for Romanian Air Force;
- Experienced with commanding tasks and people management;
- Involved in ISR projects and development of the communication architecture (LAN,WAN, radio) with regards to SecOPS;
- Designing and implementing ISR network for intell data transmissions.
- Experienced with accreditation processes and procedures for classified infrastructures;
- Lead and manage the EW Operational Center.
- Experienced in conceiving and writing SOP's.

IT system engineer, S.C. STARC4SYS S.R.L.

Bucharest

Jun 2018 — Sep 2020

- Experienced in planning and maintenance of telecommunication systems;
- Experienced in telecommunications project management;
- Experienced in telecommunications process optimization.
- Experienced in developing technical requirements for acquisition projects

Research assistant in DronEnd (C-UAV) project , Politehnica University of Bucharest

Bucharest

Sep 2021 — Jun 2022

- Experienced in researching, designing and developing C-UAV systems using AoA on SDR platforms
- Experienced in using spectrum sensing algorithms using SDR platforms
- Experienced in DF methods (phased arrays – UCA/ULA, TDOA, AOA, RSS)
- Experienced in write Digital Spectrum Processing code in Python IDE, GnuRadio, Labview, Matlab
- Experienced in using source control systems and DevOps (GitHub, TFS)
- Experienced in RF protocols used for drone command and control
- Experienced in writing scientific reports and documentation
- Experienced in working in research teams

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## EDUCAȚIE

PHD, PHD candidate University Politehnica of Bucharest

Bucharest

Oct 2019 — Present

PhD candidate in telecommunications – cognitive radio, direction finder, software defined radio

University Politehnica of Bucharest, Romania

Thesis: *Using the Radio Source Localization Methods in Drone Detection, Tracking and Neutralization Systems*

*List of ISI publications:*

1. A. Martian, **F. Lucian Chiper**, O. Mohammed Khodayer Al-Dulaimi, M. Jalal Ahmad Al Sammarraie, C. Vladeanu and I. Marghescu, "Comparative Analysis of Software Defined Radio Platforms for Spectrum Sensing Applications," 2020 13th International Conference on Communications (COMM), Bucharest, Romania, 2020, pp. 369-374, doi: 10.1109/COMM48946.2020.9142024.

(Accession Number: WOS:000612723900065, IEEEExplore)

2. A. Martian, **F. -L. Chiper**, R. Craciunescu, C. Vladeanu, O. Fratu and I. Marghescu, "RF Based UAV Detection and Defense Systems: Survey and a Novel Solution," 2021 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom), 2021, pp. 1-4, doi: 10.1109/BlackSeaCom52164.2021.9527871.

(Accession Number: WOS: 000892556200069, IEEEExplore)

3. **Chiper, F.-L.**; Martian, A.; Vladeanu, C.; Marghescu, I.; Craciunescu, R.; Fratu, O. Drone Detection and Defense Systems: Survey and a Software-Defined Radio-Based Solution. *Sensors* 2022, 22, 1453. <https://doi.org/10.3390/s22041453>

(ISIThompson, WOS:000765140800001)

4. **Florin-Lucian Chiper**, Alexandru Martian, Daniel-Ionut Muscalu, Calin Vladeanu and Ion Marghescu. Aerial Drone Defense System Based on Software Defined Radio Platforms) to 2022 14th International Conference on Communications (COMM) doi: 10.1109/COMM54429.2022.9817314.

5. Omer Mohammed Khodayer Al-Dulaimi, **Florin-Lucian Chiper**, Călin Vladeanu and Alexandru Martian Triple-Threshold Energy Detection With Adaptive Intermediate Threshold for Cooperative Spectrum Sensing to 2022 14th International Conference on Communications (COMM) doi: 10.1109/COMM54429.2022.9817314.

MSc, University Politehnica of Bucharest Bucharest  
Oct 2017 — Jul 2019

Mobile Communications, Master of engineering

Bachelor degree, Politehnica University of Bucharest Bucharest  
Oct 2013 — Jul 2017

Faculty of Electronics, Telecommunications and Information Technology – Technology for Telecommunication systems – in english

Officer degree, Romanian Air Force-Appliance School Buzau  
Oct 2012 — Apr 2013

Radars and Organization Management

Bachelor degree, Romanian Air Force Academy “Henri Coanda” Brasov  
Oct 2009 — Jul 2012

Radars and Organizational Management

Highschool, Cobadin Highschool

Cobadin

Sep 2006 — Jun 2009

Specialization: Mathematics & Computer Science

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## **CURSURI**

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CCNA (5 modules), Air Force Academy

Oct 2009 — Jul 2012

Mobile Access Network Fundamentals, AMP  
Telecom University

Linux Basic Course , Link Academy

ITIL V.4 Foundation, People Cert & Axelos