

CHASSIS CHRISTOS

SENIOR UNDERGRADUATE ELECTRICAL AND COMPUTER ENGINEERING STUDENT
TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY DEPARTMENT

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EDUCATION

UNIVERSITY OF PATRAS – ELECTRICAL AND COMPUTER ENGINEERING, 2014-PRESENT
LYCÉE FRANCO-HELLÉNIQUE EUGENE DELACROIX - MIDDLE/HIGH SCHOOL, 2008-2014

EXPERIENCE

MASTER THESIS WORKER: AN OPEN SOURCE IMPLEMENTATION OF A 5G NETWORK –
NETWORK ARCHITECTURES AND MANAGEMENT GROUP - UNIVERSITY OF PATRAS – 2018-PRESENT

Work closely with a team of experienced professionals and academic members to design and implement the first pilot 5G installation (out of two country-wide) in the city of Patras, Greece.

- Technical advisory on primarily open-source software-defined radio front-ends.
- Compose and edit content for specific use-case system architecture proposals.
- Proposed and implemented (work in progress) a system architecture for real-time Unmanned Aerial System control and video streaming through the cellular network.
- Report progress in a weekly schedule during team meetings or mailing lists.
- Maintain documentation of technical and literary sources for future reference.

LEAD ENGINEER: RADIOLOCATION AND CHANNEL SOUNDING –
MICROWAVE COMMUNICATIONS GROUP - UNIVERSITY OF PATRAS – 2017-2018

Coordinate efforts and ensure timeline integrity. Delivered a working prototype according to specifications along with an initial two-page proposal and a following five-page paper following the format of the IEEE Transactions on Antennas and Propagation, with the opportunity to be considered for publication in the IEEE AP Magazine.

- Responsible for a small team of undergraduate students and quality of delivered material within deadline limits.
- Communication and adjustment of technical procedures based on feedback from mentoring professors.
- Responsible for supplier communication and resolution of any occurring technical matters.
- Financial management of available funds, keeping accurate records of expenses (~10.000€).
- Expressed specialized technical terms both in written and visual media formats, to IEEE conference standards.

LANGUAGES

Greek (Native)

French (Native / Diplôme d'études en langue française (DELF) B2)

English (Fluent / Research paper author & editor)

WEBINARS

4G Broadband LTE, IEEE X Continuing Education Program

IEEE Future Networks - Security in SDN/NFV and 5G Networks - Opportunities and Challenges

IEEE Spectrum Online - Tech Insider Webinar: Power the Small Cells to Prepare for 5G

IEEE ComSoc Webinar - Realizing the Promise of the Millimeter Wave Radio Frequency for 5G Networks

IEEE ComSoc Webinar - Smart Signal Processing for Massive MIMO in 5G and Beyond

IEEE ComSoc Webinar - Meeting the Challenges of RF with mmWave for 5G

IEEE ComSoc Webinar - Lowering Cost for 5G: New Testing and Manufacturing Challenges

Keysight - Spectrum Analysis Fundamentals Webinar

Keysight - Accelerating Design Validation for 5G New Radio Webinar

Keysight - Physical Layer Modeling Principles of 5G New Radio

ACCOMPLISHMENTS

Qualified for the six finalist teams worldwide at the 2018 IEEE AP-S Student Design Contest: Radiolocation and Channel Sounding and delivered a fully functional system according to specifications, achieving 4th place.

Business Talents 2015-2016, Placed no. 83 out of 812 participating teams

Business talents 2016-2017, Placed no. 43 competing on the final stage amongst the top 75 teams

MEMBERSHIPS

IEEE Student Membership

IEEE Communications Society Membership

IEEE Antennas and Propagation Society Membership

IEEE Signal Processing Society Membership

PROGRAMMING / SCRIPTING & SOFTWARE

Proficient use of Matlab, Python 2.7 and C. Intermediate use of HTML 5, CSS and Javascript

Intermediate use of MySQL and NoSQL database creation, data manipulation and querying

Intermediate use of Linux and mainstream distributions' command line interfaces

Full Command of the Windows Office / Macintosh / Google Docs Suite and Intermediate Usage of the LATEX suite

Intermediate Use of Adobe Creative Content Applications Photoshop, Illustrator, AfterEffects

Intermediate Use of Computer Assisted Design Applications AutoCAD, Corel, CadSoft Eagle, PSpice

CONFERENCES ATTENDED

2018 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting

Attended "Business Days" conducted at the respective company's headquarters at Google, ELPE, Cosmote and PeopleCERT (selection based on applied resume and personal interviews)

Student Conference of Electrical and Computer Engineering 8, University of Patras

Panorama Entrepreneurship and Career 2014 & 2015

SEMINARS

Business and Innovation (40hrs) - University of Patras

Attending speeches and workshops from various business and innovation topics from academics and businessmen from the Greek market.

Workplace Health and Safety (40hrs) - TITAN

A series of presentations and workshops from experts of the field in real conditions at the TITAN cement factory, applying theory to practice on two case studies.

Crash Course on Innovation and Entrepreneurship (10hrs) - University of Patras / University of Trento

Learn basic and advanced practices of Marketing and Entrepreneurship in a one-day long session by professor Gert Guri from the University of Trento.

Printed Circuit Board Design (10hrs) - University of Patras

Basic design theory of PCB design and printing methods, with a real-world demonstration and a working prototype.

PERSONAL PROJECTS

Use of FreeBSD based software FreeNAS to create and maintain a personal-use streaming and file storage server.

Small-scale home networking between clients to enhance safety and automation by utilizing advanced router configurations such as VLANs and Firewall rules. Aspiring amateur radio operator and SDR enthusiast.

VOLUNTEERING

Registered Bone Marrow Donor

Monitoring Oral Sessions, APS/URSI, 8-13 July 2018 Boston, Massachusetts

Patras IQ 2015 & 2017