Evangelos
Markakis

DATE OF BIRTH:
7 Sep 1980

CONTACT

Nationality: Greek

Gender: Male

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ABOUT ME

Dr. Evangelos Markakis (Male) was born in Heraklion, Crete in 1980. He holds a four-year bachelor in Applied Informatics & Multimedia from the Technological Educational Institute of Crete, Greece, in 2003, a MSc degree in Data Communication Systems from Brunel University in 2005 and a PhD in P2P Constellations in Broadband Networks from the department of Information & Communication Systems Engineering of the University of the Aegean in 2014. He has actively participated in no less than 20 EU FP5/FP6/FP7/Horizon2020 funded projects (IST/ICT/Health/ Security) and over 20 Greek funded research and Development projects. His professional experience starts at 2003 where he has joined Research & Development of Telecommunications Systems Laboratory "PASIPHAE" at Technological Educational Institute of Crete and Centre for Technological Research of Crete as a Project Associate. In 2009 he joined the largest Hospital in Crete "Pagni" where he worked as Network Architect and Level "Three" SysNet Administrator being in charge on of the largest networks in Greece. In 2016 he returned to HMU in a permanent position, his currents research projects are H2020-SHAPES, H2020 – EMERGE, H2020-5DAeroSafe and H2020-SPHINX. Evangelos in the past he has worked as the Technical Manager for the HORIZON 2020 DRS-19-2014 "EMYNOS". He has worked Numerous times as WP Leader in European and Greece funded projects. His research activities include Cybersecurity, distributed systems and P2P applications, design of large-scale Heterogeneous Networks, Fog Computing & Networking, as well as in network management and virtualisation techniques, including SDN/NFV concepts. He has more than 70 publications,(H-index 13, 602 Citation from Google Scholar) in international journals, conference and workshop proceedings, in the above areas. He is a Member of IEEE and IEEE ComSoc, editor of the IET Book on "Cloud and Fog Computing in 5G Mobile Networks: Emerging Advances and Applications" and the Workshop Co-Chair for the IEEE SDN-NFV Conference. He has initiated workshops specific for the Healthcare Domain with recent example CYBERSEC4HEALTH Inviting and achieving to have common discussion in requirement gathering of Three European project funded under TDS-02-2018.

WORK EXPERIENCE

1 SEP 2005 – 30 JUN 2008

Research and Development Network Engineer

National Center for Scientific Research "Demokritos"

- Network Design and deployment of IP Multimedia Subsystem
- Network study, design and deploymentof a Cross Layer Recourse management system.
- Study, Design of a regenerative Satellite system

http://www.medianetlab.gr/ / Ag. Paraskevi, 15310, Athens, Greece

1 JAN 2009 – 30 JUN 2009

Research and Development Network Engineer

University of the Aegean

- Network Design and Development of UMTS, IEEE 802.11 WIFI, IEEE 802.16 WIMAX and DVB-T/DVB-H testbed.
- Writing of Deliverables and Dissemination activities.

http://www.icsd.aegean.gr/ccsl / Karlovassi/Samos Island, 83200, Karlovassi, Greece

15 OCT 2003 – 31 AUG 2009

Research and Development Network Engineer

Technological Educational Institute of Crete & Center for Technological Research Crete

- Strong knowledge of technical and legal requirements for telecom/Network implementation and infrastructure development
- Design, implementing and maintaining a mixed Active Directory with Windows 2003 & 2008R2
- Strong ability to deal with a variety of technical issues, partners and work across the boundaries

- Experience of Systems analysis and design activities for mobile telecommunications.
- Instructor and supervision of conference and audio-visual systems for the TEI of Crete.
- Technical management assisting in EU Research Projects
- Member of the core team that designed and implemented the first broadcast of Digital TV in Greece
- Designing system configuration; Directing system installation; Defining and Documenting,
- Maximizing network performance by monitoring performance;
- EU Projects Integration and Evaluation Management
- Provision of triple play services (TV, internet and phone) through satellite telecommunication system, based on technology DVB-S2/ RCS within the European research program IMOSAN (Integrated Multi-layer Optimization in Broadband DVB-S.2 Satellite Networks)
- Development of backbone and access networks for provision of guaranteed QoS using DiffServ and MPLS architectures
- Development and management of integrated management systems (IMS-OpenIMS) for 3G and 802.x networks(VITAL++)
- Development and management of networks using WLAN, WiMAX, DVB-T and UMTS technologies in order to provide triple service

HERAKLION, Greece

1 SEP 2009 – 24 APR 2016

University research assistant

Technological Educational Institute of Crete

■Member of the core team that implemented the first Digital Switchover of TV in Greece
■Complex projects realization in different areas of telecom/IT network development and/or maintenance
■Strong knowledge of technical and legal requirements for telecom/ Network implementation and infrastructure development
■Technical management in EU Research Projects
■Writing of Research proposals and Consortium building.

Teaching the following Lessons:
• Digital Television & Interactive broadcasting
• P2P Networks,
• Network Communication lab,
• Network Analysis,
• Wireless Network, • Mobile Communications

Professional, scientific and technical activities   / http:// www.pasiphae.eu   / Estavromenos, 71500, Irakleion, Greece

1 SEP 2009 – 24 APR 2016

Senior ICT network architect

University General Hospital of Heraklion

- Level two and three support of network infrastructure and application servers.
- Design, Managing and Supervising Complex ICT Projects Including:

  - A Wireless network with over 250 APs and over 1K users
  - Design and Implementation of L2 and L3 expansion of Hospital core Network with over 3k Users and 1K PCs.
  - Design, implementing and maintaining a mixed Active Directory with Windows 2003 & 2012R2
  - Design and Implemented the migration of our mail server to Google Apps for Education 1K Users'
  - Design the whole Network infrastructure with DMZ, 802.3X and Vlans'
- Supervising all outsource activities of the ICT operation Including the following projects:

  - Digitization of Historical Medical record(Budget:2,2MEuro)
  - SLA Negotiation for the LIS/RIS/EHR (Budget:1MEuro)
  - Network expansions and IT supplies Management. (Including all Tenders and Outsourcing)(Budget 500Keuro)

- Update/Upgrade of RISC/PACKS (150KEuro)
- Network Analysis, Troubleshooting and Performance optimization
- Writing and supervising the guidelines of Hospital ICT Infrastructure

Heraklion, Greece

25 APR 2016 – 15 MAY 2019 – Heraklion, Greece

Principal investigator

Technological Educational Institute of Crete

Research :
- Technical management in EU Research Projects
- Writing of Research proposals and Consortium building.
- Network Analysis, Troubleshooting and Performance optimization
- Design of large scale Heterogeneous Networks,
- Fog Computing & Networking,
- Edge Networking & Computing
- Network management and virtualisation techniques, including SDN/NFV concepts.

Teaching :■Satelite Networks■Wireless Networks■Computer Networks■Introduction to Multimedia

Heraklion, Greece

15 MAY 2019 – CURRENT – Heraklion

Principal Investigator

Hellenic Mediterranean University Research Center

Research :

- Technical management in EU Research Projects

- Writing of Research proposals and Consortium building.

- Network Analysis, Troubleshooting and Performance optimization

- Design of large scale Heterogeneous Networks,

- Fog Computing & Networking,

- Edge Networking & Computing

- Network management and virtualisation techniques, including SDN/NFV concepts.

Teaching :■Satelite Networks■Wireless Networks■Computer Networks■Introduction to Multimedia

1 SEP 2020 – CURRENT – Brussels, Belgium

Chairman

Pan-European Mobile Emergency Application Consortium

I am the main interface with the outside world on consortium-related activities.

I ensure coordination between the PEMEA core team and the members of the PEMEA consortium.

I prepare and lead the Advisory Board meeting.

I organize periodic meetings with the PEMEA core team (on average twice a month)

During these meetings, the status of the consortium, the study of petitions from new members, the current publications, the news in general of the PEMEA network are analyzed.

I oversee the functioning of the core team entities with regards of Consortium activities, ensuring independence and transparency of decisions, in order to guarantee the best result for the PEMEA network.

EDUCATION AND TRAINING

1 OCT 1999 – 1 OCT 2003 – Heraklion, Greece

Bachelor of engineering in Applied Informatics & Multimedia

Dep. of Applied Informatics & Multimedia, Technological Educational Institute of Crete

IS Analysis, Programming, Operating Systems, Computer Networks, Databases, Software Engineering.

Field(s) of study
- Computer Science

EQF level 6

1 OCT 2003 – 1 OCT 2005 – London, United Kingdom

Master of Science in Data Communication Systems

Brunel University, MiddleSex, UK

Network Programming, Network Management, Data Security, Wireless/Optical Networks, IS Analysis, Computer Networks, Software Engineering, Databases; IS Security Management, IS Risk Analysis, ICT Security, Network Security, Security and Privacy legal aspects.

My thesis was awarded with 'A'

Field(s) of study
- Computing

EQF level 7

20 MAY 2008 – 8 OCT 2014 – Karlovasi, Greece

Doctor of Philosophy

Departement of Engineering in Informatics and Communication Systems, University of the Aegean

My thesis in Peer to Peer constellation in broadcasting environments was awarded with "A"

Field(s) of study
- Computing

EQF level 8

LANGUAGE SKILLS

MOTHER TONGUE(S): Greek

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C1	C1	C1	C1	C1

Italian

Listening	Reading	Spoken production	Spoken interaction	Writing
A2	A1	A1	A2	A1

PUBLICATIONS

Publications

2021 https://scholar.google.com/citations?hl=el&user=3yJJv0AAAAAJ
I have over 70 Publications in the area of Edge computing, Fog Networking, Cyber Security, Broadcast Networks, Emergency Communications and Public Safety

NETWORKS AND MEMBERSHIPS

Memberships

Member of IEEE, IEE,Network experts Greece, Linux Experts.

Workshop Chair for IEEE SDN/NFV and International conference on Telecommunications and Multimedia (TEMU)

TPC in various Conference

Organizer of various Workshop

PROJECTS

Projects

EU Project that i have Worked and currently working:

- 5D AeroSafe Project (H2020): 5 Services of Drones for Increased Airports and Waterways Safety and Security
- SHAPES Project (H2020 - 587159): Smart and Healthy Ageing through People Engaging in Supportive Systems
- SPHINX Project (H2020-826183): A Universal Cyber Security Toolkit for Health-Care Industry
- EMYNOS Project (H2020-653762): nExt generation eMergencY commuNicatiOnS
- CREACTIVE Project (FP7-602714): Collaborative REsearch on ACute Traumatic brain Injury in intensiVe care medicine in Europe
- FP7-T-NOVA-619520: Network Functions as a Service over Virtualised Infrastructure
- P-REACT– Petty criminality diminution through search and analysis in multi-source video Capturing and archiving plaTform (FP7-SEC-2013-607881)
- Collaborative REsearch on ACute Traumatic Brain Injury in intensiVe Care Medicine in Europe (FP7–HEALTH–602714) (On-Going)
- Media Ecosystem Deployment through Ubiquitous Content-Aware Network Environments (FP7/ICT-248652 "ALICANTE")(Successfully Completed)
- Integration of user centric communication methodologies into Telecommunication infrastructures (FP7-ICT-2007-2 "VITAL++") (Successfully Completed)
- Handovers for Ubiquitous and optimal bRoadband connectIvity among CooperAtive Networking Environments (FP7-ICT-216006, "HURRICANE")(Successfully Completed)
- Adaptive Management of Media Distribution based on Satisfaction OrIented User Modelling (FP7/ICT-214751 "ADAMANTIUM")(Successfully Completed)
- Integrated Multi-Layer Optimisation in Broadband DVB-S2 Satellite Networks (FP6/IST-025457 "IMOSAN")(Successfully Completed)
- Digital Switchover: Developing Infrastructures for Broadband Access (FP6/IST-507312 "ATHENA")(Successfully Completed)
- Real-time Dynamic Bandwidth Optimisation in Satellite Networks (FP5/IST-2001-34692 "REPOSIT")(Successfully Completed)

GR Project:I have worked in over 15 Project in various fields of ICT

ORGANISATIONAL SKILLS

Organisational skills

• I have been a member of the organization team of International conference on Telecommunications & Multimedia (www.temu.gr) Technical sponsored by IEEE.
• As a lab associate at TEI of Crete I have supervised several students in their final thesis project and a MSc. student in creating his final Dissertation.
• Technical management assisting in EU Research Projects
• I have studied, designed and write all the rules and specs needed for joining the IT departments of the two largest hospitals in Crete.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

• Strong interpersonal, written, and oral communication skills.
• I have been representing TEI of Crete in various Conference and Talks presenting our research activities.
• I have participated in many different security expert groups playing different roles and communicated with people coming from different countries and cultures;

OTHER SKILLS

Other skills

• Strong Leadership skills and problem solving nature.
• Able to conduct research into networking issues and products as required.
• Highly self-motivated and directed, with keen attention to detail.
• Proven analytical and problem-solving abilities.
• Able to effectively prioritize tasks in a high-pressure environment.
• Experience working in a team-oriented, collaborative environment

CITATIONS

Citations

My PhD Thesis in: P2P Constellations over Broadcast Networks was Graded with the higher mark "A"

My MSc Thesis in: Converging broadcasting and telecommunication technologies towards a broadband access infrastructurewas Graded with the higher mark "A"

My diploma thesis in: Resource management in a broadcasting environment, was Graded with the higher mark "10/10"