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| PERSONAL INFORMATION | Dr Panagiotis Tsarchopoulos |
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| |  http://www.tsarchopoulos.com |
| |  https://twitter.com/Panagiotis |
| |  http://gr.linkedin.com/in/tsarchopoulos |
| Sex Male Date of birth 12/01/1969 Nationality Greek | |

GOLDEN PARAGRAPH

Dr Panagiotis Tsarchopoulos is an EU Projects Manager at PRAGMA IoT Solutions, and a Senior Teaching and Research Fellow at the Aristotle University of Thessaloniki, Greece. He holds a Diploma in Electrical and Computer Engineering and a PhD in Smart and Intelligent Cities, both from the Aristotle University of Thessaloniki. He teaches courses on smart/intelligent cities, web technologies, new media, and social media in the School of Architecture and in the School of Journalism, Media and Communication of the Aristotle University of Thessaloniki. He has participated in more than 35 research projects funded mainly by the European Commission. His latest research projects focused on the intersection of emerging technologies and societal benefits. His role involves orchestrating collaborative efforts across diverse initiatives, including empowering citizens to achieve the energy transition, advancing renewable energy technologies, enhancing connected and automated mobility, improving building performance in order to increase energy efficiency, comfort and well-being, and combining creativity with maritime heritage to address pressing environmental issues. Passionate about leveraging technology to address complex challenges, he is dedicated to driving high-impact, user-centered solutions in project leadership and digital product design. He has published more than 20 articles in scientific & academic journals and conferences.

WORK EXPERIENCE

April 2023 - today

EU Programs Manager

Pragma IOT Solutions, Greece (<https://pragma-iot.com/>)

Project management in Horizon EU projects dealing with smart and sustainable buildings, connected and autonomous mobility, and creative industries.

Private Company

2014 - today

Senior Teaching and Research Fellow

Media Informatics Lab of the Department of Journalism and Mass Communication of the Aristotle University of Thessaloniki, Egnatias 46, 54625 Thessaloniki, Greece (www.jour.auth.gr)

Teaching and research on smart/intelligent cities, web technologies, new media, and social media in the School of Architecture and the School of Journalism, Media and Communication.

Higher Education

2023-2025

Lead Expert

Technopolis Consulting Group Belgium Sprl, Belgium

Lead Expert in the Intelligence Cities Challenge 2.0 initiative for the city of Thessaloniki, Greece.

(<https://www.intelligentcitieschallenge.eu/>). Support the Municipality of Thessaloniki's efforts

to be a sustainable and resilient city through the creation of Local Green Deals.

Consulting Company

- 2018 - 2023 **Research Associate**
Informatics and Telematics Institute, Centre of Research and Technology Hellas, Greece (<https://www.iti.gr>)
Technical and Innovation coordination of two H2020 Smart Cities and Communities projects: POCITYF (A Positive Energy City Transformation Framework) and IRIS (Integrated and Replicable Solutions for Co-Creation in Sustainable Cities).
Research
- 2020-2023 **Lead Expert**
Technopolis Consulting Group Belgium Sprl, Belgium
Lead Expert in the Intelligence Cities Challenge (ICC) initiative for the city of Thessaloniki, Greece. Support the Municipality of Thessaloniki's efforts to be a sustainable and resilient city through Digital Transformation.
Consulting Company
- 2000 - 2020 **Senior Research Scientist**
URENIO Research Unit, Aristotle University of Thessaloniki, Greece (www.urenio.org)
Project management. Proposal Writing. Research in many R&D projects dealing with digital innovation spaces and intelligent cities. Design and development of web applications, content management systems, database-driven websites. Lecturer in the "Digital Cities – Intelligent Cities" and "Digital Cities: Applications Design & Development" courses at the Department of Urban and Regional Planning
Research / Higher Education
- 2018-2019 **Local Expert**
Technopolis Consulting Group Belgium Sprl, Belgium
Local Expert in the Digital Cities Challenge (DCC) call for the city of Thessaloniki, Greece
Consulting Company
- 2018 - 2021 **Smart Cities Expert**
TECHNOMART Engineering and Project Consultants LTD., Cyprus
Smart City Readiness evaluation and guidelines for 35 local Councils. Lecturer in three seminars for Local and Regional Authorities.
Private Company
- 2013 - 2019 **External Expert**
European Commission / DG Connect
Reviewer and Evaluator of projects and calls related to Smart Cities and Future Internet
Organisation
- 2005 - 2017 **Senior Researcher - Web Developer**
INTELSPACE S.A., Greece (www.intelspace.eu)
Research in R&D Projects. Consulting on Intelligent Cities and Innovation Ecosystems. Design and development of web applications.
Private Company

- 2000 - 2002 **Web Designer & Developer**
 Informatics and Telematics Institute, Centre of Research and Technology Hellas, Greece (www.iti.gr)
 Institute Web application development, database-driven websites, web design
[Research](#)
- 1998 - 2002 **Web Designer & Developer**
 Self-Employee, Thessaloniki, Greece
 Web application development, content management systems, database-driven websites, web design with a focus on usability and standards. Multimedia CD-ROM creation. Graphics design
[IT sector](#)
- 1999 - 2000 **Web Designer**
 ALTANET S.A., Thessaloniki, Greece
 Web design, graphics design
[Private Company](#)
- 1998 - 2000 **Web Designer & Developer**
 School of Architecture, Aristotle University of Thessaloniki, Greece (www.arch.auth.gr)
 Database-driven websites, web design. Multimedia CD-ROM creation. Graphics design
[Higher Education](#)
- 1998-1999 **Web Designer & Developer**
 Macedonian Press Agency, Thessaloniki, Greece (<http://www.ana-mpa.gr/>)
 Web design, graphics design, HTML authoring
[News Agency](#)
- 1995-1999 **Multimedia Producer**
 Information Processing Laboratory, Aristotle University of Thessaloniki
 Graphics design, multimedia CD-ROM creation
[Research / Higher Education](#)

EDUCATION AND TRAINING

- 2008 - 2013 **PhD on Urban and Regional Planning** [Level 8](#)
 School of Architecture, Aristotle University of Thessaloniki, Greece
 PhD Thesis: "Intelligent Cities: Technologies, Architectures and Governance of the Digital Space"
- 1986-1992 **Diploma (Integrated Master) in Electrical and Computer Engineering** [Level 7](#)
 Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, Greece
 ▪ Electrical & Computer Engineering

PERSONAL SKILLS

Mother tongue(s) Greek

| | | | | | |
|-------------------|---------------|---------|--------------------|-------------------|---------|
| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 | C1 | C1 | C1 | C1 |

Communication skills Excellent communication skills gained through my participation in many project meetings and scientific conferences. Moreover, I teach a lot of courses at the Aristotle University of Thessaloniki.

Organisational / managerial skills

- Project Manager in many R&D projects.
- Chief Technology Officer in R&D projects.
- Site Engineer in many projects at the Directorate of Facilities Maintenance and Operation of the Aristotle University of Thessaloniki

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|----------------|------------------------|-----------------|------------------|-----------------|-----------------|
| Digital skills | SELF-ASSESSMENT | | | | |
| | Information processing | Communication | Content creation | Safety | Problem solving |
| | Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |

Excellent use of computers. Web application development, content management systems, database-driven websites, web design with a focus on usability and standards. Graphics design. New Product Development Techniques.
 Programming skills: HTML5, XHTML, CSS3, JavaScript, CMS, Open Source Applications
 Graphics: Adobe Photoshop, Illustrator, Acrobat, Dreamweaver.
 Microsoft: Windows (all versions), Office
 The above skills and competences have been acquired during the participation of more than 30 R&D Projects and during my studies as an Electrical and Computer Engineer.

Driving licence B

ADDITIONAL INFORMATION

Publications

- Bontekoe, E., Schade, J., Eriksson, L., Tsarchopoulos, P., Lampropoulos, I., & van Sark, W. (2024). **On the discrepancy of using annual or hourly emission factors for power generation to estimate CO2 reduction of building retrofitting.** Energy and Buildings, 114499. <https://doi.org/10.1016/j.enbuild.2024.114499>
- Roumpi, A., Chantzara, M., Leontiadis, S., Tsarchopoulos, P., and Martzopoulou A. (2023). **Plant-it: a smart city application for greening the urban space with citizen’s participation.** ISAE 2023-Proceedings (2023): 93-102. Download the paper.
- Maroulis N., Tsarhopoulos P., Markianidou P., (2019), **Digital Transformation Strategy for the city of Thessaloniki: A living lab for digitalisation.** DIGITAL CITIES CHALLENGE – Digital Transformation Strategy, EC. <https://bit.ly/32gvQAa>
- Angelakoglou, K.; Nikolopoulos, N.; Giourka, P.; Svensson, I.-L.; Tsarchopoulos, P.; Tryferidis, A.; Tzovaras, D. **A Methodological Framework for the Selection of Key Performance Indicators to Assess Smart City Solutions.** *Smart Cities* 2019, 2, 269-306. <https://doi.org/10.3390/smartcities2020018>
- Kakderi C., Tsarchopoulos P., Komninos N., Panori A., (2019), **Smart Cities on the Cloud.** In: Stratigea A., Kavroudakis D. (eds) Mediterranean Cities and Island Communities. Progress in IS. Springer, Cham. https://doi.org/10.1007/978-3-319-99444-4_3.
- N. Komninos, C. Kakderi, A. Panori & P. Tsarchopoulos, (2018), **Smart City Planning from**

- an Evolutionary Perspective**, Journal of Urban Technology, DOI: 10.1080/10630732.2018.1485368. Download the paper.
- Tsarchopoulos, P., Tsampoulatidis, I., Roman, M., (2018), “**Digital tools for participatory governance**”. Proceedings of the 20th Conference of the Greek Society of Regional Scientists, pp.104-110, Athens, 4-5 June 2018.
 - Angelidou, M., Psaltoglou, A., Komninos, N., Kakderi, C., Tsarchopoulos, P., & Panori, A., (2017), “**Enhancing sustainable urban development through smart city applications**” Journal of Science and Technology Policy Management. <http://www.emeraldinsight.com/eprint/UZ5GZ8JVJ4EJPYEJNFKZ/full>
 - Panori, A., Kakderi, C. & Tsarchopoulos, (2017), “**Designing the Ontology of a Smart City Application for Measuring Multidimensional Urban Poverty**”, Journal of the Knowledge Economy (2017). <https://doi.org/10.1007/s13132-017-0504-y>.
 - Angelidou, M., Komninos, N., Passas, I., Psaltoglou, A., & Tsarchopoulos, P. (2017), “**Monitoring the Impact of Smart Specialisation Strategies Across EU Regions**”, Proceedings of the 2017 International Conference for Entrepreneurship, Innovation, and Regional Development (ICEIRD 2017), pp. 343-353. Download the paper.
 - Tsarchopoulos, P., Komninos, N. and Kakderi, C. (2017), “**Accelerating the Uptake of Smart City Applications through Cloud Computing**”, World Academy of Science, Engineering and Technology, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 11(1), 129 – 138. <http://waset.org/publications/10006171>.
 - Kakderi C, Komninos N and Tsarchopoulos P, 2016, “**Smart cities and cloud computing: lessons from the STORM CLOUDS experiment**”, Journal of Smart Cities, vol.2(1): 4–13. <http://dx.doi.org/10.18063/JSC.2016.01.002>.
 - Kakderi C., Komninos N., Tsarchopoulos P., (2016), “**Smart Cities and Cloud Computing: Introduction to the special issue**”, Journal of Smart Cities vol.2 (1), 1-3. DOI: <http://dx.doi.org/10.18063/JSC.2016.01.001>.
 - Komninos N., Bratsas C., Kakderi C., Tsarchopoulos P., (2015), “**Smart city ontologies: Improving the effectiveness of smart city applications**”, Journal of Smart Cities vol1(1): 1–16. DOI: <http://dx.doi.org/10.18063/JSC.2015.01.001>.
 - Psomadaki O., Kalliris G., Tsarchopoulos P., Paschalidis G., (2015), “**Investigation study for the “smart-art” project of Thessaloniki as an innovation-strategy element for the promotion of art and culture**”, Proceedings of Changing Cities II Conference, pp. 2431-2437 ISBN: 978-960-6865-88-6.
 - Komninos, N., Kakderi, C., and Tsarchopoulos, P. (2014), “**New services design for smart cities: a planning roadmap for user-driven innovation**”, Proceedings of 2014 ACM Conference, International Workshop on Wireless and Mobile Technologies for Smart Cities (WiMobCity), pp. 29-39. DOI: <http://dx.doi.org/10.1145/2633661.2633664>
 - Tsarchopoulos, P. (2013), “**Intelligent Cities: Technologies, architectures and governance of the digital space**”, PhD Dissertation, Department of Urban and Regional Development and Planning, Aristotle University of Thessaloniki. Greek National Archive of PhD Thesis: <http://phdtheses.ekt.gr/eadd/handle/10442/29854>
 - Tsamboulatidis, I., Ververidis, D., Tsarchopoulos, P., Nikolopoulos, S. Kompatsiaris, I., and Komninos, N. (2013), “**ImproveMyCity – An open source platform for direct citizen-government communication**”, MM '13, Proceedings of the 21st ACM international conference on Multimedia, pp 839-842. DOI: <http://dx.doi.org/10.1145/2502081.2502225>.
 - Kakderi C., Komninos N., Tsarchopoulos P., (2012), “**A Planning roadmap for intelligent cities: case study on revitalizing a commercial district**”, RSA European Conference 2012, 13th – 16th May 2012, Delft University of Technology, Delft, The Netherlands.
 - Komninos N. and Tsarchopoulos P., (2012), “**Intelligent Thessaloniki: from Agglomeration of Apps to Smart Districts**”, Special Issue: SMART CITIES AND THE FUTURE INTERNET IN EUROPE, Journal of Knowledge Economy. DOI: <http://dx.doi.org/10.1007/s13132-012-0085-8>.
 - Komninos N., Passas I., Tarani P., Tsarchopoulos P. “**Four Platforms for Intelligent Cities**”, The 3rd International Conference on Intelligent Environments, Germany, 24-25 September 2007.
 - Komninos N., Tarani P., Passas I., Kyrgiagini L., Tsarchopoulos P. “**Technology and Intelligent City Strategies in Saudi Arabia**”, “THINK – Global Issues in Perspective”

magazine, January 2007.

- Komninos N., Sefertzi, E., Tsarchopoulos, P., 2006, **“Virtual Innovation Environment For The Exploitation Of R&D”**, The 2nd International Conference on Intelligent Environments, Athens, 5-6 July 2006.
- Komninos, N., Sefertzi, E., Tsarchopoulos, P. “Virtual Spaces For Innovation and R&D Exploitation”, XV ISPIM (International Society for Professional Innovation Management) Annual Conference, Oslo, 20-23 June 2004.
- N. Pachtas, L. Makris, P. Tsarchopoulos, M. G. Strintzis, G. Provataris and N. Economou: **“Development of Interactive Multimedia Applications for the Enhancement of the Exhibits at the Technology Museum of Thessaloniki”**, EVA'97 FLORENCE Conference, March 1997.

Projects

Since 1992 I have participated in more than 35 research projects funded by the European Commission or the Greek Government. These projects deal with intelligent cities, smart cities, innovation systems, regional innovation strategies, innovation clusters development and multimedia systems:

- DECODIT: Digitally empowering citizens to deliver the twin transition, (2024-2027), European Commission – HORIZON-CL5-2023-D3-03-04
- RE-WITCH: Renewable and Waste heat valorisation in Industries via Technologies for Cooling production and energy Harvesting, (2024-2027), European Commission – HORIZON-CL5-2023-D4-01-06
- AUGMENTED CCAM: Augmenting and Evaluating the Physical and Digital Infrastructure for CCAM Deployment, (2022-2025), European Commission – HORIZON-CL5-2021-D6-01
- CHRONICLE: Building Performance Digitalisation and Dynamic Logbooks for Future Value-Driven Services, (2022-2025), European Commission – HORIZON-CL5-2021-D4-01
- CREAMARE: Linking creativity, culture and media technologies in the transnational coproduction of digital interactive products for the communication of maritime and underwater cultural heritage (2022-2025), European Commission – CREA-CULT-2021-COOP
- ADMA Trans4MErs: Advanced Manufacturing assistance and training for SME Transformation (2021-2024), European Commission – H2020-INNOSUP-2020-08.
- POCITYF: A Positive Energy CITY Transformation Framework (2019-2024), European Commission – H2020-LC-SC3-2019-ES-SCC
- IRIS: Integrated and Replicable Solutions for Co-Creation in Sustainable Cities (2017-2022), European Commission – H2020-SCC-2016-2017
- NESOI: New Energy Solutions Optimized for Islands, (2019-2014), European Commission – H2020-LC-SC3-2018-2019-2020
- ONLINE-S3: ONLINE Platform for Smart Specialisation Policy Advice (2016-2018), European Commission – H2020-ISSI-4-2015
- STORM CLOUDS: Surfing towards the opportunity of real migration to cloud-based public services (2014 – 2017) European Commission – CIP-ICT-PSP-2009
- Apps for Thessaloniki – Tourism Edition: 2nd Apps Contest for the City of Thessaloniki (2015-2016), Municipality of Thessaloniki, Greece
- Thessaloniki Hackathon: 1st Smart City Hackathon in Thessaloniki (2014), Municipality of Thessaloniki, Greece
- Apps for Thessaloniki: 1st Apps Contest for the City of Thessaloniki (2013-2014), Municipality of Thessaloniki, Greece
- Development of Web 2.0 content management system to underpin the regional innovation ecosystems of Belarus and Ukraine Universities (2013 – 2014), University of Bradford, School of Management
- Innovation Laboratories: Open innovation learning platform & action research (2012 – 2014), European Commission – TEMPUS IV
- PEOPLE: Pilot smart urban ecosystems leveraging open innovation for promoting and enabling future e- services (2010 – 2012), European Commission – CIP-ICT-PSP.2010.4.1

- FIREBALL: Future internet research and experimentation by adopting living labs – towards smart cities (2010 – 2012), European Commission – FP7 Objective ICT-2009 1.6 Future Internet experimental facility and experimentally-driven research
- MEDLAB: Mediterranean living lab for territorial innovation – INNO SME networks pilot action (2010 – 2011), Regional Development Fund of Central Macedonia
- HES e-toolkit: Excellence in energy efficiency for the tourism industry: online toolkit (2010 – 2011), United Nations Environment Programme (UNEP)
- INTERVALUE: Inter-regional cooperation for the valorisation of research results (2009 – 2011), European Commission – South East Europe Programme
- Intelligent Thessaloniki: design of integrated project, opc 2007-13 (2008), Greek Ministry of Development, General Secretariat of Industry
- Open platform for digital cities – application in the city of Thermi (2007 – 2008), Greek General Secretariat for Research and Technology
- Regional innovation pole of Thessaly – evaluation (2008), Greek National Centre for Research and Development of Thessaly
- MEDI-CUBE: Mediterranean technology intensive incubators (2006 – 2007), European Commission – INTERREG Archimede
- Implementing innovation strategies – project concept of innovation website – Prague (2007), Logotech SA
- SUPER-SME: Supporting potential and existing research intensive SMEs (2006 – 2008), European Commission – FP6 –KNOWREG 2
- FUTURREG: Futures for regional development (2005 – 2007), European Commission – Interreg IIIC – West Zone
- STRATINC: Strategic intelligence in innovative clusters (2004 – 2006), European Commission INTERREG IIIC
- ISTOS: Digital Aegean (2004 – 2005), European Commission, DG Regio – ERDF Innovative Actions 2000-2006 – Region of South Aegean
- METAFORESIGHT (2004 – 2005), European Commission – DG Research, Regions of Knowledge Programme
- Digital Research Centre, Central Macedonia (2003 – 2005) European Commission, DG Regio, ERDF Innovative Actions
- Go-Online: Supporting SME in the Digital Economy (2001-2004) Greek Ministry of Development
- Digital innovation centre, Thessaly (2002 – 2003) European Commission, DG Regio, ERDF Innovative Actions, Region of Thessaly, Regional Development Fund
- Regional documentation centre, Thessaly (2002 – 2003) European Commission, DG Regio, ERDF Innovative Actions, Region of Thessaly, Regional Development Fund
- VERITE: Virtual environment for regional innovation technologies (2002 – 2004) European Commission Programme “Promotion of Innovation and encouragement of SME Participation”
- ONLI: on-line innovation (2000 – 2002) European Commission, DG Enterprise, Innovation Programme
- INNOREGIO: Dissemination of innovation technologies in c. Macedonia (1999 – 2003) European Commission, DG Regio, RECITE II
- Training of architects in the 21st century – restructuring of curriculum and new teaching, learning and communication means in the School of Architecture of the Aristotle University of Thessaloniki (1998-2000) Hellenic Ministry of National Education and Religious Affairs, Operational Programme for Education and Initial Vocational Training
- Development of multimedia system for the Telecommunications Museum of the Hellenic Telecommunications Organization (1998-1999)
- Thracian Electronic Thesaurus: Development of a multimedia system and a distributed database (1996-1998) Greek Secretariat of Research and Technology, EPET II
- Multimedia CD-ROMs and on-line kiosks for the Technical Museum of Thessaloniki (1995-1997) Greek Secretariat of Research and Technology
- EUROFORM: Community initiative concerning new qualifications, new skills and new

employment opportunities (1992-1993) European Commission

Memberships

- Institute of Electrical and Electronics Engineers (IEEE)
- Technical Chamber of Greece