

PERSONAL INFORMATION



Maria Gkemou

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Sex Female | Date of birth 04/03/1980 | Nationality Greek

WORK EXPERIENCE

From April 2003 - December 2004	External Research Associate at the Hellenic Institute of Transport (HIT) of Centre for Research and Technology Hellas (CERTH), TRUTH S.A., etc.
From January 2005- April 2016	Research Associate at CERTH/HIT
April 2016 – February 2020	Senior Researcher (Researcher Grade C) at CERTH/HIT Head of Lab A2: Clean and Autonomous Vehicles & Lab A3: Industrial design, Intelligent Materials and Manufacturing in Transport
February 2020 – today	Principal Researcher (Researcher Grade B) at CERTH/HIT Head of Lab A2: Clean and Autonomous Vehicles & Lab A3: Industrial design, Intelligent Materials and Manufacturing in Transport
Main activities	<ol style="list-style-type: none"> 1. Research in the following fields <ul style="list-style-type: none"> • Driver behavior modelling • Driver simulator validity • Road safety • C - ITS (Cooperative Intelligent Transportation Systems) & CCAM (Connected Cooperative Automated Transport) • ICT (Information and Communication Technologies) • Accessible solutions/applications • Transport technologies for PwD • ADR/Dangerous goods transport 2. Development of training content on Road Safety and Road Transport 3. Cost Benefit Analyses 4. CAD modelling 5. Virtual Reality simulation 6. Pilots & Field Operational Trials 7. Technical Management of research projects (in the previous fields) 8. Research proposal writing (in the previous fields)

EDUCATION AND TRAINING

From 2005 to 2013	PhD - Dissertation: Modeling of driving behaviour in driving simulator and correlation with real traffic conditions (Degree: Excellent) Transport Engineering Laboratory (Field: Transport telematics), Aristotle University of Thessaloniki, Greece
From 1997 to 2003	Dipl. Mechanical and Aeronautical Engineer (Degree: Very good) Polytechnic school - Department of Mechanical and Aeronautical Engineering (Division of Design and Manufacturing Engineering), University of Patras, Greece

- Thesis: 2001: "3D representation of the Temple of Niki (Acropolis) in Autocad 2004"
- Thesis: 2003: "Simulation of lateral ablation of Fibrous Composites"
- 2003: Practice at the University Regional General Hospital of Patras-Maintenance department

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Proficiency diploma of Cambridge University, 1994 Proficiency diploma of Michigan University, 1994				
German	B1	B1	B1	B1	B1
	Grundstufe Zertificat, 2002				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through my experience as EC expert in H2020 and COAL & STEEL EU funded Programmes and my experience in project technical management (see also below).

Organisational / managerial skills

Good organisational and managerial skills gained through my experience as proposal writer and project technical manager in Integrated Projects of FP6, FP7, H2020 (each with more than 10M€ funding, consisting of more than 20 Partners) as well as national projects.

Digital competence

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

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Computer skills

Fortran, TLC, html, Visual Basic , MsOffice, Open Office, SPSS, Autocad, CATIA, Dreamweaver, Macromedia Fireworks, Matlab, Mathematica, VR /VE s/w, LUSAS, GIS ARCVIEW

Other skills

Piano and music theory diploma

Driving licence

Driving licence, Category B

ADDITIONAL INFORMATION

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| <p>Publications
Projects
Committees
Memberships
References</p> | <ul style="list-style-type: none"> ▪ Administrative/Managerial and Technical Participation in 31 Research & Innovation Projects and Services, being subproject leader in 4 of them, Technical & Innovation Manager in 4 of them and Technical Supervisor in 6 of them (see more in Annex A). ▪ Member of TRA Lisbon 2022 Programme Committee ▪ Member and CERTH/HIT representative in CCAM (with respect to evaluation and field trials), EGVA, POLIS (with respect to C-ITS and Automation) and HUMANIST Task Force for Ecomobility. ▪ Expert evaluator in CLEAR-Doc (H2020 European project for the funding of co supervised PhD thesis between the different European member of this project; managed by Univ Eiffel by the Vice Presidency of International relationship). ▪ Member of the Scientific Advisory Board of Ready4SmartCitiesEuropean project (2014-2015). ▪ Member of the CERTH/HIT Scientific Board, 2016-2022. ▪ Reviewer in H2020 EU funded programme, 2016 & 2018 ▪ Evaluator in COAL & STEEL EU funded Programme, 2013, 2014 and 2015. ▪ Evaluator in Applied Research and Innovation Call "Greece innovates" (2014). ▪ Reviewer of scientific manuscripts in IEEE Intelligent Transportation Systems Society ▪ Reviewer of scientific manuscripts in IEEE Intelligent Transportation Systems Transactions ▪ Reviewer of scientific manuscripts in "Roads and Bridges-Drogi i Mosty" (http://www.rabdim.pl) ▪ Reviewer of scientific manuscripts in International Congress on Transportation Research (ICTR), 2017 and 2019. ▪ Reviewer of scientific manuscripts in Transport Research Arena (TRA) 2018 and 2020. ▪ Reviewer of scientific manuscripts in EVS 30, The 30th International Electric Vehicle Symposium & Exhibition, October 9-11, 2017. ▪ Reviewer of scientific papers in Special Issue Springer UAIS Journal, 2013. ▪ Reviewer of scientific papers in Young European Arena of Research (YEAR), 2010 & 2012. ▪ Author of 36 publications in International, peer reviewed Conferences Proceedings (see Annex B). ▪ Author of 27 peer reviewed scientific journals and articles in press (see Annex B). ▪ Editor in 3 books (see Annex B). ▪ Author of 6 Book Contributions (see Annex B). ▪ Author of 1 Special Issue (see Annex B). ▪ Participation in an invited session in DCOSS 2019. ▪ Moderation of Special Interest Session in ITS19. ▪ Organisation of Special Session in ICTR 2021, "Challenges & Lessons Learned in CCAM" ▪ Citations (latest update: Google Scholar: 213 (h-index: 9, i10-index: 9) - https://scholar.google.gr/citations?user=Y3kojtWAAAAJ&hl=el) <p>More information is available upon request.</p> |
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ANNEXES

- Annex A** – Administrative/ Managerial and Technical Participation in research projects
- Annex B** – Publications

Annex A: Administrative/ Managerial and Technical Participation in research & innovation projects

1. Technical & Innovation Manager in H2020 Innovation Action AUGMENTED CCAM (Augmenting and Evaluating the Physical and Digital Infrastructure for CCAM deployment) (εκκίνηση: 01-09-2022)
2. *Security, Safety and Comfort Monitoring in AV Cabin Service for Toyota* (with respect to mini pilot installation & cost benefit analysis)
3. Technical Management Team leader & Subproject leader in H2020 Innovation Action SHOW (875530): "SHared automation Operating models for Worldwide adoption".
4. Scientific Supervisor of H2020 SocialCar project (636427): "Open social transport network for urban approach to carpooling".
5. Scientific Supervisor of H2020 FENIX project (760792): "Future business models for the Efficient recovery of Natural and Industrial secondary resources in eXtended supply chains contexts".
6. Scientific Supervisor of H2020 SMILE project (731249): "SMart IsLand Energy systems".
7. Scientific Supervisor of H2020 CARTRE project (724086): "Coordination of Automated Road Transport Deployment for Europe".
8. Scientific Supervisor of H2020 ADAS&ME project (688900): "Adaptive ADAS to support incapacitated drivers Mitigate Effectively risks through tailor made HMI under automation".
9. Scientific Supervisor of ODOS2020 project (MIS 5032799 / T1ΕΔΚ-03081): « Intelligent cooperative integrated system for road safety and road infrastructure maintenance towards 2020», funded by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE.
10. Technical Manager of H2020 project SAFE STRIP (723211): "Safe and green Sensor Technologies for self-explaining and forgiving Road Interactive aPplications".
11. Technical Manager of H2020 project MyCorridor (723384): "Mobility as a Service in a multimodal European cross-border corridor".
12. Subproject leader in European Project P4all (610510): "Ecosystem Infrastructure for Smart and Personalised Inclusion and Prosperity for All Stakeholders".
13. Subproject leader in European Project Cloud4all IP (FP7-289016) - "Cloud platforms Lead to Open and Universal access for people with Disabilities and for All".
14. Subproject leader in European Project AEGIS (ICT 224348) – "Open Accessibility Everywhere, Groundwork, Infrastructure, Standards".
15. Assistant of Technical Coordinator in European Project GOOD ROUTE (IST-4-027873) – "Dangerous Goods Transportation Routing, Monitoring and Enforcement".
16. Assistant of Technical Coordinator in European Project CATER (IST-5-035030) – "Computerised Automotive Technology Reconfiguration System for Mass Customization".
17. Assistant of Coordinator in European Leonardo da Vinci Έργο INFORMED (EL2002/B/F/PP-114010) – "INtegrated system FOR an Advanced and Life-Long Training Methodology of Dangerous Goods Drivers and Trainers".
18. Technical participation in three Subprojects of European Project PReVENT IP (FP6-507075), που ανέπτυξε μία σειρά ΣΣΥΟ.
19. Technical and Administrative Participation in European Leonardo da Vinci Έργο TELL-IT (EL/02/BF/PP114009) - "Towards an Effective and Life Long Training of People with Special Needs for Help Desk Operations utilising ICT".
20. Technical Participation in European Project RESPECT (QLRT-2000-00038) - "Research action for improving Elderly workers Safety, Productivity, Efficiency and Competence Towards the new working environment".
21. Technical Participation in European Project SPORT4ALL (C27980) - "Provision of Telematic Services to the Disabled for the Diffusion of Information on Athletics Events".
22. Technical Participation in European Project CREDIT (110311 - CP - 1 - 2003 - 1 - GRUNDTVIG – G1) - "Valuing Knowledge and Competencies Acquired through Experience and their Accreditation for Elderly Workers".
23. Technical Participation in European Project CONSENSUS (IST-2001-37092): "Promoting CONSENSUS in assessing driving ability of PSN through common methodologies and normative tools".
24. Technical and Administrative Participation in European Project INTUITION NoE (IST-NMP-1-507248-2) - "Virtual Reality and Virtual Environments Applications for Future Workspaces".
25. Technical Participation in European Project VIRTUALIS IP (NMP2-CT-2005-515831) - "Virtual Reality and Human Factors Applications for Improving Safety".
26. Technical Participation in European Project CONFIDENT (IST-2000-27600) - "Confident Information Environment for the Independent Living of People with Severe Disabilities".
27. Technical Participation in National Project PROTEAS - "Adaptation of persons with mobility impairments in focused working places".
28. Technical Participation in project ΑΔΗΠΙΤΟ, funded by GSRT, focusing on training through multimedia, driver simulators and innovative technologies and methods 2003-2005.
29. Technical Participation in European Project IN LIFE (643442) – "Independent Living support Functions for the Elderly".
30. Technical Participation and Administrative Coordination of Service «Athens – Accessible Municipality for All».
31. Technical Participation and Administrative Coordination of Service: «Electronic Driving Academy – «e-drive academy».

Annex B: Publications & Organisation of scientific/ research events

Publications in International peer reviewed Conferences Proceedings

1. Loukea, M., **Gkemou, M.**, Gaitanidou, E., Panou, M., Bekiaris, E., Giannakari, M., Gogas, M., Markvica, K., Nietsche, P., Coeugnet, S. and Natacha Métayer. *Stakeholders' clustering and identification of needs, wants and priorities in automated road transport*. In the Proceedings of 10th INTERNATIONAL CONGRESS ON TRANSPORTATION RESEARCH (ICTR), September 1st - 3rd 2021, Rhodes, Greece.
2. Symeonidis, I., Dimokas, N., Gragkopoulos, I., Tsetsinas, I., Chrysochoou, E., Toulou, K., Giammarco, V., Biral, F., **Gkemou, M.**, Bekiaris, E (2020). *SAFE STRIP: Hardware in the Loop motorcycle simulator experiment for C-ITS applications*. In the Proceedings of Virtual 13th International Motorcycle Conference, 01-06 September 2020.
3. Castellano, A., Francesco Biral, F., Leuteritz, J. P., **Gkemou, M.**, Valenti, G., Montanari, R., (2020). *Development of an HMI for a virtual co-driver based on data collected by intelligent road markings*. In the Proceedings of Virtual ITS European Congress, 9-10 November 2020.
4. Salamanis, A., Ioakeimidis, T., Kehagias, D., **Gkemou, M.**, Tzovaras, T. (2020). *MyCorridor MaaS: A stakeholder-inclusive MaaS platform*. Transport Research Arena 2020, Helsinki, Finland. (Conference cancelled).
5. Cocone, L., Leonard, S., Van den Dries, R., **Gkemou, M.**, Mizaras, M. (2020). *MaaS – an enabling tool for Collaborative Traffic Management*. Transport Research Arena 2020, Helsinki, Finland. (Conference cancelled).
6. Steccanella, A. and Maria Gkemou (2020). *Validation Approach of an C-ITS infrastructure – based solution*. Transport Research Arena 2020, Helsinki, Finland. (Conference cancelled).
7. Gkemou, M., Steccanella, A., Gkragkopoulos, I., Kehagias, D., Bekiaris, E. (2019). *Implementation and validation approach of the C-ITS novel solution proposed by SAFE STRIP for self-explanatory and forgiving infrastructures*. In the Proceedings of Annual International Conference on Distributed Computing in Sensor Systems (DCOSS 2019), 29-31 May 2019, Santorini, Greece.
8. Salamanis, A., Ioakeimidis, T., Gkemou, M., Kehagias, D., Tzovaras, D. (2019). *Mobility services data models for open and inclusive MaaS infrastructures*. In the Proceedings of 2nd International Conference on Mobility as a Service, 03-04 December 2019, Tampere, Finland.
9. Bekiaris, E., **Gkemou, M.**, Devetzoglou, M.A., (2019). *Automated, electric, connected and shared urban mobility: New business roles for service provision and workforce training*. In the Proceedings of ITF 2019 Summit: Transport Connectivity for Regional Integration, Leipzig, Germany, 22 – 24 May 2019.
10. **Gkemou, M.**, Toulou, K., Spiliotis, A., Bekiaris, E., (2018). *User – centred approach for C-ITS solution proof of concept*. In the Proceedings of 25th ITS World Congress, Copenhagen, Denmark, 17-21 September 2018.
11. Capato, S., Cocone, L., Helmreich, B., Kreckel, T., **Gkemou, M.** (2018). *Intelligent Road Marking Systems enabling future connected mobility*. In the Proceedings of 25th ITS World Congress, Copenhagen, Denmark, 17-21 September 2018.
12. **Gkemou, M.**, Fischer, F., Bekiaris, E., Kehagias, D., Tzovaras, D. (2017). *Low-cost innovative implementation towards self-explaining and forgiving C-ITS*. In the Proceedings of 8th International Congress on Transportation Research (ICTR 2017), 27-29 September 2017, Thessaloniki, Greece.
13. **Gkemou, M.**, Palacin, R., Bekiaris, E., Kehagias, D., Tzovaras, D., Mizaras, V., Larios, Y. (2017). *Mobility as a Service" (MaaS) in a multimodal European cross-border corridor*. In the Proceedings of 8th International Congress on Transportation Research (ICTR 2017), 27-29 September 2017, Thessaloniki, Greece.
14. **Gkemou, M.**, & Bekiaris, E. (2014). *Simulator vs. Real Traffic Conditions: How different parameters influence transferability of results*. In Proceedings of 5th Transport Research Arena Conference, "Transport Solution: From Research to Deployment", 14-17 April 2014, Paris, France, pp.240.
15. **Gkemou, M.** (2013). *Methodology for Transferability of Driver Simulator Results in Real Traffic Conditions*. In Proceedings of Road Safety and Simulation (RSS) International Conference 2013, 22-25 October 2013 Rome, Italy.
16. **Gkemou, M.**, Bekiaris, E., & Vanderheiden, G. (2013). *Auto-configuration through Cloud: Initial Case Studies for Universal and Personalised Access for All*. In Proceedings of IST-Africa 2013 Conference, ISBN: 978-1-905824-39-7.
17. Vanderheiden, G. C., Treviranus, J., Usero, J. A. M., Bekiaris, E., **Gkemou, M.**, & Chourasia, A. O. (2012, September). *Auto-Personalization: Theory, Practice and Cross-Platform Implementation*. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting (Vol. 56, No. 1, pp. 926-930). SAGE Publications, doi: 10.1177/1071181312561193.
18. Cabrera-Umpierrez, M.F., De Los Rios, S., Rodriguez, A., Paramo, M., Azpiroz, J., Del Olmo, M., & **Gkemou, M.** (2012). *Creating Accessible Applications for Android: from the Developer Perspective to the User Needs*. In Proceedings of IST-Africa 2012 Conference, ISBN: 978-1-905824-34-2.
19. **Gkemou, M.**, & Bekiaris, E. (2012). *Evaluation of accessible mobile applications following an iterative UCD plan*. In Proceedings of IST-Africa 2012 Conference, ISBN: 978-1-905824-34-2.
20. Vanderheiden, G., Treviranus, J., Martinez, J.A., & **Gkemou, M.**, et al. (2011). *Creating a Global Public Inclusive Infrastructure (CLOUD4All & GPII)*. In Proceedings of AEGIS 2nd International Conference, 28-30 November 2011, Brussels, Belgium, pp. 92-101.
21. Bekiaris, E., Kalogirou, K., & **Gkemou, M.** (2010). *Java User Interface Libraries for Developing Mobile Applications*. In Proceedings of Free and Open Software – for Accessible Mainstream Applications (FOSS-AMA), European Joint Conferences on Theory and Practice of Software (ETAPS) Satellite Event, 27-28 March 2010, Paphos, Cyprus, pp. 134-149.
22. Bekiaris, E., & **Gkemou, M.** (2010). *Use Cases towards All Inclusive Mainstream ICT*. In Proceedings of Free and Open Software – for Accessible Mainstream Applications (FOSS-AMA), European Joint Conferences on Theory and Practice of Software (ETAPS) Satellite Event, 27-28 March 2010, Paphos, Cyprus, pp. 41-54.

23. Bekiaris, E., Spanidis, P., & **Gemou, M.** (2010). Intelligent Agents for Personalised Vehicle Configuration. In *Proceedings of International Conference on Kansei Engineering and Emotion Research (KEER 2010)*, 2-4 March 2010.
24. Mavridou, E., Tzovaras, D., Bekiaris, E., **Gemou, M.**, & Hassapis, G. (2010). A Data Mining Framework for Citarasa-based system. In *Proceedings of International Conference on Kansei Engineering and Emotion Research (KEER 2010)*, 2-4 March 2010.
25. **Gemou, M.**, & Bekiaris, E. (2010). From User Modelling to Iterative Design and Development: The AEGIS IP UCD Approach. *TANGIBLE INFORMATION TECHNOLOGY FOR A BETTER AGEING SOCIETY*, CONFIDENCE Conference, 9-10 December 2010, Jyväskylä, Finland, pp. 31-44. González, Kämäräinen, Kalla, & Vélez (Eds.).
26. Bekiaris, E. D., **Gemou, M. B.**, & Tzovaras, D. K. (2010). An evaluation study of a holistic Dangerous Goods cooperative system. In *Intelligent Transportation Systems (ITSC), 2010 13th International IEEE Conference on*, 19-22 September 2010, Madeira, Portugal IEEE, pp. 1758-1763.
27. Bekiaris, E., **Gemou, M.**, et al. (2010). Modelling the user. In *Proceedings of AEGIS 1st International Conference*, 7-8 October 2010, Seville, Spain, pp. 66-76.
28. Pagle, A., Amditis, A., Bekiaris, E., **Gemou, M.**, & Tzovaras, D. (2008). System architecture principles for safe transportation of dangerous goods; the GOOD ROUTE approach. In *Proceedings of Intelligent Transportation Systems Europe 2008*.
29. Emmanouilidis, V., Patrinos, A.J., **Gemou, M.**, Bekiaris, E., & Tzovaras, D. (2008). A real time decision support system for the safe and efficient routing of dangerous goods vehicles. In *Proceedings of the Transport Research Arena Conference 2008*.
30. Emmanouilidis, V., Tzovaras, D., **Gemou, M.**, & Bekiaris, E. (2008). Decision Support System for the Safest and Most Cost-Efficient Routing of Dangerous Goods Vehicles. In *Proceedings of eChallenges 2008 Conference*.
31. **Gemou M.**, & Bekiaris, E. (2008). Ontological Framework for the Dangerous Goods Transportation Logistic Chain. In *Proceedings of the 4th International Congress on Transport Research in Greece*, 28-30 May 2008, Athens, Greece, pp. 217-226.
32. Bekiaris, E., **Gemou, M.**, & Zacharis, S. (2005). IST tools development for the advanced training of the dangerous goods drivers and trainers. In *Proceedings of the ITS Europe, 1-3*.
33. Bekiaris, E., **Gemou, M.**, & Panou, M. (2005). Towards an integrated in-vehicle HMI for ADAS and its application for lateral collision warnings. In *Proceedings of 1st FERSI Scientific Road Safety Research Conference*, 7-8 September 2005, Bergisch Gladbach, Germany, pp. 170-179.
34. Polychronopoulos, A., **Gemou, M.**, Danielson, L., Amditis, A., & Bekiaris, E. (2005). Design of a friendly HMI combining multiple sources of warnings for the Lateral Safe applications. In *Proceedings of the 24th Annual Conference on Human Decision Making and Manual Control, EAM 2005 (on CD)*, 17-19 October 2005, Athens, Greece, ISBN No: 960-254-657-3.
35. Bekiaris, E., Papakostopoulos, V., **Gemou, M.**, & Gaitanidou, E. (2005). Experimental study on different HMI design options for Lateral Safe Applications. In *the Proceedings of the 24th Annual Conference on Human Decision Making and Manual Control, EAM 2005 (on CD)*, 17-19 October 2005, Athens, Greece, ISBN No: 960-254-657-3.
36. Amditis, A., **Gemou, M.**, Bekiaris, E., & Karaseitanidis, I. (2004). Methodology for the Socio-economic consolidation of VR related applications: the VIEW example. In *Proceedings of Virtual Reality Design and Evaluation Workshop*, 22-23 January 2004, Nottingham, UK.

Publications in scientific journals /articles & press

1. Loukea, M., **Gkemou, M.**, Gaitanidou, E., Panou, M, Bekiaris, E., Giannakari, M-O, Gogas, M., Markvica, K., Nietzsche, P., Coeugnet, S., Métayer, N. Stakeholders' clustering and identification of needs, wants and priorities in automated road transport, Sustainable Mobility in Alternative Transport Systems, *Journal of Advanced Transportation* (in press)
2. **Gkemou M**, Biral F, Gkragkopoulos I, Valenti G, Tsetsinas I, Bekiaris E, Steccanella A. Cooperation between Roads and Vehicles: Field Validation of a Novel Infrastructure-Based Solution for All Road Users' Safety. *Safety*. 2021; 7(2):39. <https://doi.org/10.3390/safety7020039>; Accessible at: <https://www.mdpi.com/2313-576X/7/2/39>
3. Vermassen, E. and **Gkemou, M.** (2018). *SAFE STRIP: Connecting the vehicle with the road*. Intelligent Transport, August 2018, Vol.2, Issue 3, pp. 74-75, <https://www.intelligenttransport.com/transport-articles/68844/safe-strip-project-vehicle-road/>.
4. Έθνος της Κυριακής, *SAFE STRIP: The invisible driver collaborator*, 1 July 2018
5. *Working towards the future of smart infrastructure*, Intelligent Transport, November 2018, Vol. 2, Issue 4, pp. 42-43/, <https://www.intelligenttransport.com/transport-articles/73990/future-smarter-infrastructure/>
6. TO BHMA, *SAFE STRIP: You have a message in your car*, 25 November 2018
7. SAFE STRIP article in SES, Hellenic Institute of Transport Engineers, Newsletter, Issue 202, June-August 2017.
8. **Gkemou, M.**, Spiliotis, A., Bekiaris, E. (2018), Needs, restrictions and priorities for the development and installation of a multifunctional C-ITS solution on existing road pavement, *Transportation Research Procedia*, Vol. 36, pp. 185-192, Elsevier. <https://doi.org/10.1016/j.trpro.2018.12.062>, <https://www.sciencedirect.com/science/article/pii/S2352146518304125>
9. Contribution to: **Bekiaris, E.** (2017). Data and perspectives for the electrification of road and maritime transport in Greece. In the *Energy and Transport in Greece: Conditions and Measures for Clean and Sustainable Energy*, pp. 89-102, Commission of Research of Academy of Athens, Academy of Athens, ISBN: 978-960-404-319-4, Athens 2017, Greece.
10. Toulou, K., **Gemou, M.**, Riedel, T., Panou, M., & Bekiaris, E. (2015). A Framework for Evaluating the Implementers' Experience in Making Existing Products Accessible: The Prosperity4all Approach. In *Human Aspects of IT for the Aged Population. Design for Aging* (pp. 387-397). Springer International Publishing. ISBN 978-3-319-20892-3. doi: 10.1007/978-3-319-20892-3_38. (76 citations; 72935 downloads).
11. **Gemou, M.**, & Bekiaris, E. (2014). "Protocol for Transferability of Driver Simulator Results to Real Traffic Conditions," International Journal of Interdisciplinary Telecommunications and Networking (IJITN), IGI Global, vol. 6(1), pp. 74-89, doi:10.4018/ijitn.2014010106. JSR 0.14 (2018).
12. **Gemou, M.**, Bautista, J., Colomer, M., Cabrera-Umpierrez, M.F., de los Rios, S., Arredondo, M.T., Bekiaris, E. (2014). Validation of Toolkits for developing 3rd generation Android accessible mobile applications. In *3rd generation accessibility: Information and Communication Technologies towards universal access*, Issue 15/1, Universal Access in the Information Society, Springer. doi: 10.1007/s10209-014-0377-9. Impact Factor: 1.176.

13. Bekiaris, E., **Gemou, M.** van Isacker, K., Slegers, K., Laporte, L., Salmon, N., Bascones, L.M., Turreno, M., Carmona, I. (2013). Modelling the User. In *Computer Technology and Application (CTA)*, Volume 4, Issue 4 (2013), Number 7, pp. 327-334, ISSN: 1934-7332.
14. Vanderheiden, G., Treviranus, J., **Gemou, M.**, Bekiaris, E., Markus, K., Clark, C., Basman, A. (2013). The Evolving Global Public Inclusive Infrastructure (GPII). *Lecture Notes in Computer Science – LNCS 8009*, pp. 107-116, Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-39188-0, doi: 10.1007/978-3-642-39188-0_12. JSR 0.283 (2018).
15. **Gemou, M.** (2013). Transferability of driver speed and lateral deviation measurable performance from semi-dynamic driving simulator to real traffic conditions. In *European Transport Research Review*, Volume 5, Issue 4 (2013), pp. 217-233, doi:10.1007/s12544-013-0105-1. Impact Factor: 1.758
16. Koutkias, V., Bekiaris, E., Maglaveras, N., & **Gkemou, M.** (2013). Towards an Ontology-based Model for User Profile Representation in a Cloud Infrastructure. In *International Journal of Electronic Commerce Studies (IJECS)*, 4(2), 349-354, doi: <http://dx.doi.org/10.7903/ijeecs.1042>. SJR 0.245.
17. **Gkemou, M.**, Bekiaris, E., & Van Isacker, K. (2011). An end-user evaluation point of view towards OSS assistive technology. *Lecture Notes in Computer Science – LNCS 6765*, pp. 225-234, Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-21672-5, doi: 10.1007/978-3-642-21672-5_25. JSR 0.283 (2018).
18. Scholliers, J., Joshi, S., **Gemou, M.**, et al. (2011). Development and Application of an Integrated Evaluation Framework for Preventive Safety Applications. *Intelligent Transportation Systems, IEEE Transactions on*, 12(1), pp. 211-220. Impact factor: 4.051.
19. **Gemou, M.**, & Bekiaris, E. (2009). Evaluation framework towards all inclusive mainstream ICT. *Lecture Notes in Computer Science – LNCS 5614*, pp. 480-488, Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-02707-9, doi: 10.1007/978-3-642-02707-9_54. JSR 0.283 (2018).
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1. Bekiaris, E., Tsioutras, A., Mousadakou A., Georgopoulos P., **Gemou M.**, Margaritis D., & Morfoulaki M. Traffic Education and Road Safety, Junior High School Students. *Ministry of Infrastructure, Transport and Networks*, ISBN 978-960-87771-3-2, 2013, http://www.yme.gr/pdf/e_book_gymnasio.pdf
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Books contributions

1. **Gkemou, M.**, Devetzoglou, M.A., Toulou, K., Bekiaris, E. (2019). A user and stakeholder-driven approach for cross-border, seamless and personalised MaaS provision. In *Towards User-Centric Transport in Europe*, Müller, B., Meyer, G., Springer International Publishing.
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6. Bekiaris, E., Panou, M., Tsioutras, A. Use of modern training tools and methods in driver training. Contribution with chapters 2.4 (pp.57-62), 5.6.3 (pp. 142-148), 6.6.3 (pp. 193-199) and 7.2.3 (pp. 207-212), Thessaloniki 2007, ISBN 978-960-930008-7.

Special Editions

1. Bekiaris, E., **Gemou, M.** (2012). Dangerous goods transportation: A European cooperative system for routing, monitoring, re-routing, enforcement and driver support, for dangerous goods vehicles. *Publication of Project Report H.I.T. Report number: CERTH-HIT-PR-A-2012-1. Publisher Hellenic Institute of Transport (H.I.T.) - Centre for Research & Technology Hellas (C.E.R.T.H.). Thessaloniki, Greece, <http://imet.gr/Default.aspx?tabid=167&language=el-GR>*

Other activities

1. Organisation of “Challenges & Lessons Learned in CCAM”, 10th INTERNATIONAL CONGRESS ON TRANSPORTATION RESEARCH (ICTR), September 1st - 3rd 2021, Rhodes, Greece
2. Organisation of “Special Session on Smart Transport”, Friday 31 May 2019, 14:00 – 15:45, In *Annual International Conference on Distributed Computing in Sensor Systems (DCOSS 2019)*, 29-31 May 2019, Santorini, Greece
3. Organisation of booth, 84th HELEXPO/ΔΕΘ (2019), «Συνεργατικό ευφυές σύστημα οδικής ασφάλειας για την οδική υποδομή».
4. Innovating C-ITS applications through existing road infrastructure – The SAFE STRIP Project, Presentation in *4th Conference of Intelligent Transport Systems (ITS) Hellas*, 18 – 19/12/2018, Athens, Greece.
5. Moderation of Special Interest session, “Future of safe and smart infrastructure”, Wednesday 5 April, 16:00 – 17:00, Neptune Room, In 13th ITS European Congress, Brainport Eindhoven, the Netherlands, 3-6 June 2019.