



Academic Personnel Short Profile / Short CV

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| University: | Neapolis University Pafos |
| Surname: | Antoniou |
| Name: | Andria |
| Rank/Position: | Lecturer |
| Faculty: | School of Architecture, Engineering, Land, and Environmental Sciences |
| Department: | Department of Civil Engineering |
| Scientific Domain: * | Structural Engineering - Ballistic Engineering |

** Field of Specialization*

| Qualifications | | | | |
|---|---------------------|---|---|--|
| Qualification | Year | Awarding Institution | Department | Thesis title (Optional Entry) |
| PhD in Impact Engineering | Sep/2015 – Dec/2018 | Doctoral School (I-MEP2), University Grenoble Alpes (UGA/3SR-LAB), France | Risks and Vulnerability of Structures and Mechanical Behaviour of Materials | Discrete element modelling of concrete structures under impact. |
| MSc in Earthquake Engineering | Sep/2014 – Jan/2015 | University School for Advanced Studies (IUSS), Pavia, Italy | Civil Engineering – Reduction of Seismic Risk (ROSE) | |
| MSc in Geomechanics, Civil Engineering, and Risks | Sep/2013 – Jun/2014 | University Grenoble Alpes (UGA/3SR-LAB), France | Civil Engineering | Contribution to the experimental analysis and numerical modelling of spalling technique into concrete specimens under dynamic tension. |
| BSc in Civil and Environmental Engineering | Sep/2008 – Jun/2012 | University of Cyprus (UCY) | Civil Engineering | Design of an irregular-shaped-structure. |

Employment history in Academic Institutions/Research Centers

| Period of employment | | Employer | Location | Position |
|----------------------|----------|--|------------------------|-------------------------|
| From | To | | | |
| Aug/2024 | Today | Neapolis University Pafos | Pafos, Cyprus | Lecturer |
| Nov/2021 | Apr/2023 | European Commission – Joint Research Centre (JRC) | Ispra, Italy | External Expert |
| Mar/2020 | Sep/2023 | Norwegian University of Science and Technology (NTNU), Department of Structural Engineering (CASA) | Trondheim, Norway | Researcher |
| Jan/2019 | Jul/2019 | University Grenoble Alpes (UGA/3SR-LAB, EDF R&D) | Grenoble/Paris, France | Postdoctoral Researcher |

Key refereed journal papers, monographs, books, conference publications etc.

| Ref. Number | Year | Title | Other authors | Journal and Publisher / Conference | Vol. | Pages |
|-------------|------|---|---|--|-------|---------|
| 1 | 2024 | Extending the Discrete Element Method to Account for Dynamic Confinement and Strain-Rate Effects for Simulating Hard Impacts on Concrete Targets. | Daudeville, L., Marin, P., & Potapov, S. | Journal of Dynamic Behavior of Materials. | | 1-17 |
| 2 | 2023 | Evaluation of automatic versus material test-based calibrations of concrete models for ballistic impact simulations. | Kristoffersen, M., Børvik, T. | International Journal of Protective Structures. | 15(2) | 387-416 |
| 3 | 2022 | Discrete element approach to model advanced damage into concrete structures under impact. | Daudeville, L., Marin, P., Forquin, S., & Potapov, S. | Handbook of Damage Mechanics: Nano to Macro Scale for Materials and Structures. Cham: Springer International Publishing. | | 517-550 |
| 4 | 2021 | Survey of four material models for | Kristoffersen, M., | 13th European LS-DYNA | | |



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| | | ballistic simulations of high-strength concrete. | Børvik, T. | Conference, Ulm, Germany. | | |
| 5 | 2018 | Discrete element modelling of concrete structures under hard impact by ogive-nose steel projectiles. | Daudeville, L., Marin, P., Omar, A., & Potapov, S. | The European Physical Journal Special Topics. | 227(1-2) | 143-154 |
| 6 | 2018 | Discrete element analysis to predict penetration and perforation of concrete targets struck by rigid projectiles. | Daudeville, L., Omar, A., Marin, P., Potapov, S., & Pontiroli, C. | Dynamic Damage and Fragmentation. | | 297-314 |
| 7 | 2018 | Using a discrete element/finite element approach to model impact of a rigid projectile on concrete and reinforced concrete targets. | Daudeville, L., Marin, P., & Potapov, S. | WIT Transactions on The Built Environment. | 180 | 3-14 |
| 8 | 2017 | Discrete element modelling of concrete structures under hard impact. | Daudeville, L., Marin, P., & Potapov, S. | PARTICLES V: proceedings of the V International Conference on Particle-Based Methods: fundamentals and applications. CIMNE | | 261-272 |

Awards / International Recognition

| Ref. Number | Date | Title | Awarded by: |
|-------------|-----------|---|---------------------------|
| 1 | Sep/2013 | University Grenoble Alpes Scholarship plus free tuition fees. | University Grenoble Alpes |
| 2 | Jan/2013 | Leonardo da Vinci Scholarship. | European Commission |
| 3 | June/2012 | First Thesis Award. | University of Cyprus |
| 4 | Oct/2010 | Erasmus Scholarship. | European Commission |