



### Academic Personnel Short Profile / Short CV

|                             |                             |
|-----------------------------|-----------------------------|
| <b>University:</b>          | Neapolis University Pafos   |
| <b>Surname:</b>             | Rapsomanikis                |
| <b>Name:</b>                | Aristotelis-Nikolaos        |
| <b>Rank/Position:</b>       | Assistant Professor         |
| <b>Faculty:</b>             | Engineering                 |
| <b>Department:</b>          | Civil Engineering           |
| <b>Scientific Domain: *</b> | Nuclear and Medical Physics |

*\* Field of Specialization*

| Academic qualifications<br>(list by highest qualification) |      |                                              |            |                               |
|------------------------------------------------------------|------|----------------------------------------------|------------|-------------------------------|
| Qualification                                              | Year | Awarding Institution                         | Department | Thesis title (Optional Entry) |
| PhD                                                        | 2018 | National & Kapodistrian University of Athens | Physics    |                               |
| MSc                                                        | 2009 | Imperial College London                      | Physics    |                               |
| BSc                                                        | 2007 | National & Kapodistrian University of Athens | Physics    |                               |
|                                                            |      |                                              |            |                               |



| Employment history in Academic Institutions/Research Centers – List by the three (3) most recent |      |                              |                                              |                   |
|--------------------------------------------------------------------------------------------------|------|------------------------------|----------------------------------------------|-------------------|
| Period of employment                                                                             |      | Employer                     | Location                                     | Position          |
| From                                                                                             | To   |                              |                                              |                   |
| 2025                                                                                             | 2025 | Neapolis University Pafos    | China                                        | Visiting Lecturer |
| 2022                                                                                             | 2025 | University of West Attica    | Athens                                       | Academic Scholar  |
| 2019                                                                                             | 2022 | SATE SCHOLARSHIPS FOUNDATION | National & Kapodistrian University of Athens | PostDoc           |

**Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)**

| Ref. Number | Year | Title                                                                                                                                                      | Other authors                                                                                 | Journal and Publisher / Conference | Vol.            | Pages           |
|-------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------|-----------------|-----------------|
| 1           | 2026 | Monte Carlo Light Transport in Turbid Media with an Analytically Invertible Simplified Phase Function                                                      | M.-E. Tomazinaki, E. Stiliaris                                                                | IEEE (NSS/MIC)                     | To be Published | To be Published |
| 2           | 2026 | Compact Handheld Compton Camera versus Planar Gamma Camera for Post-Iodine-131 Therapy Imaging: A GATE/Geant4 Monte Carlo Study                            | M.-E. Tomazinaki, E. Stiliaris                                                                | IEEE (NSS/MIC)                     | To be Published | To be Published |
| 3           | 2022 | <sup>99m</sup> Tc-labeled iron oxide nanoparticles as dual-modality contrast agents: from synthesis to magnetic resonance and gamma-camera imaging in mice | M.-A. Karageorgou, M. Mirkovic, S. Vranjes -Đuric, E. Stiliaris, P. Bouziotis, D. Stamopoulos | Nanomaterials 12                   | 15              | 2728            |
| 4           | 2022 | Searching for the Absorption Limit on Thermography and Thermal Tomography                                                                                  | E. Stiliaris                                                                                  | IEEE (NSS/MIC)                     | MIC-11          | 430             |
| 5           | 2021 | “A Monte-Carlo Simulation Approach to Mie Scattering via a New Invertible Function                                                                         | E. Stiliaris                                                                                  | IEEE (NSS/MIC)                     | MIC             | 1--6            |
| 6           | 2020 | Stochastic Light Transport through Tissues in Optical Imaging with Inverted Functions                                                                      | E. Stiliaris                                                                                  | IEEE (NSS/MIC)                     | MIC             | 1-5             |



|    |      |                                                                                                                                 |                                                                            |                                    |     |        |
|----|------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------|-----|--------|
| 7  | 2019 | Feasibility Study of a Breast Phantom Imaging utilizing a Time Resolved Optical Technique                                       | M. Mikeli,<br>M. Zioga,<br>E. Stiliaris                                    | IEEE (NSS/MIC)                     | MIC | 1-4    |
| 8  | 2019 | Examining an Image Reconstruction in Infrared Emission Tomography                                                               | L. Koutsantonis,<br>E. Stiliaris,<br>C. N. Papanikolas                     | Infrared Physics Technology INFPHY | R1  | 664 R1 |
| 9  | 2016 | PhoSim: A software simulation package designed for macroscopic and microscopic studies in the time-resolved optical tomography, | A. Eleftheriou,<br>M. Mikeli,<br>M. Zioga,<br>C. Pafilis,<br>E. Stiliaris, | IEEE (NSS/MIC/RTSD),               | MIC | 1-4    |
| 10 | 2016 | AMIAS: A novel statistical method for tomographic image reconstruction — application in thermal emission tomography             | L. Koutsantonis,<br>E. Stiliaris,<br>C. N. Papanikolas                     | IEEE (NSS/MIC/RTSD)                | MIC | 1-5    |
|    |      |                                                                                                                                 |                                                                            |                                    |     |        |



| Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.<br>(max total 10) |      |       |                       |           |                    |
|--------------------------------------------------------------------------------------------------------------|------|-------|-----------------------|-----------|--------------------|
| Ref. Number                                                                                                  | Date | Topic | International / Local | Location* | Role in Exhibition |
| 1                                                                                                            |      |       |                       |           |                    |
| 2                                                                                                            |      |       |                       |           |                    |
| 3                                                                                                            |      |       |                       |           |                    |
| 4                                                                                                            |      |       |                       |           |                    |
| 5                                                                                                            |      |       |                       |           |                    |
| 6                                                                                                            |      |       |                       |           |                    |
| 7                                                                                                            |      |       |                       |           |                    |
| 8                                                                                                            |      |       |                       |           |                    |
| 9                                                                                                            |      |       |                       |           |                    |
| 10                                                                                                           |      |       |                       |           |                    |

\* Specify venue, geographic location etc



| Research Projects. List the five (5) more recent and other five (5) selected<br>(max total 10) |      |       |           |               |
|------------------------------------------------------------------------------------------------|------|-------|-----------|---------------|
| Ref.<br>Number                                                                                 | Date | Title | Funded by | Project Role* |
| 1                                                                                              |      |       |           |               |
| 2                                                                                              |      |       |           |               |
| 3                                                                                              |      |       |           |               |
| 4                                                                                              |      |       |           |               |
| 5                                                                                              |      |       |           |               |
| 6                                                                                              |      |       |           |               |
| 7                                                                                              |      |       |           |               |
| 8                                                                                              |      |       |           |               |
| 9                                                                                              |      |       |           |               |
| 10                                                                                             |      |       |           |               |

*\*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*



| Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.<br>List the five (5) more recent (Optional Entry) |        |              |                              |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|------------------------------|----------------|
| Ref. Number                                                                                                                                     | Period | Organization | Title of Position or Service | Key Activities |
| 1                                                                                                                                               |        |              |                              |                |
| 2                                                                                                                                               |        |              |                              |                |
| 3                                                                                                                                               |        |              |                              |                |
| 4                                                                                                                                               |        |              |                              |                |
| 5                                                                                                                                               |        |              |                              |                |



**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.  
(max total 10) (Optional Entry)**

| Ref. Number | Date | Title                                                       | Awarded by:                  |
|-------------|------|-------------------------------------------------------------|------------------------------|
| 1           | 2022 | IEEE NSS-MIC Conference Trainee Grant                       |                              |
| 2           | 2019 | 2 year scholarship                                          | SATE SCHOLARSHIPS FOUNDATION |
| 3           | 2019 | IEEE NSS-MIC Valentin T. Jordanov Radiation Instrumentation |                              |
| 4           | 2016 | IEEE NSS-MIC Conference Trainee Grant                       |                              |
| 5           |      |                                                             |                              |
| 6           |      |                                                             |                              |
| 7           |      |                                                             |                              |
| 8           |      |                                                             |                              |
| 9           |      |                                                             |                              |
| 10          |      |                                                             |                              |





| Other Achievements. List the five (5) more recent and other five (5) selected.<br>(max total 10) (Optional Entry) |      |                                                                |                 |
|-------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------|-----------------|
| Ref.<br>Number                                                                                                    | Date | Title                                                          | Key Activities: |
| 1                                                                                                                 | 2022 | IEEE NSS-MIC Conference Trainee Grant                          |                 |
| 2                                                                                                                 | 2019 | 2 year scholarship SATE SCHOLARSHIPS<br>FOUNDATION             | Postdoc         |
| 3                                                                                                                 | 2019 | IEEE NSS-MIC Valentin T. Jordanov Radiation<br>Instrumentation |                 |
| 4                                                                                                                 | 2016 | IEEE NSS-MIC Conference Trainee Grant                          |                 |
| 5                                                                                                                 |      |                                                                |                 |
| 6                                                                                                                 |      |                                                                |                 |
| 7                                                                                                                 |      |                                                                |                 |
| 8                                                                                                                 |      |                                                                |                 |
| 9                                                                                                                 |      |                                                                |                 |
| 10                                                                                                                |      |                                                                |                 |