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**TO BE PUBLISHED ONLINE**

### CALL FOR EXPRESSION OF INTEREST

The Research Committee (Special Account for Research Funds) of Aristotle University of Thessaloniki, in the framework of the project «**Open Innovation Ecosystem for Sustainable Nano-functionalized Flexible Plastic and Paper Surfaces and Membranes (FF2S)**» funded by the European Commission under the Horizon 2020, with Scientific Responsible, Prof. Stergios Logothetidis, Professor of Physics, invites candidates to submit applications for **six (6) positions** (through the award of a work contract for a period from the signing of the contract until **31/08/2023** the following project and with a maximum total budget amount of **106.200,00 €** (including VAT and legal bookings). The contracts can be extended until the end date of the project **31/03/2024** (in case of extension until its end) and within the approved limits of its budget.

**One (1) one person/Postgraduate Student or Holder of a Master's Degree in Nanotechnology up to € 10.000,00 until 31/08/2023**

#### JOB DESCRIPTION (A)

- Characterization of the surface of flexible substrates (coated and not) with atomic force microscopy techniques. Characterization of mechanical properties of flexible materials and surfaces.
- Participation in conferences, workshops and exhibitions and contribution in the organization of conferences and workshops for the dissemination and promotion of the project results. Support in drafting progress reports and project deliverables based on the work plan.

The above object will be implemented in the framework of work packages

- WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification
- WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities
- WP6 FF2S OITB Operation, Sales and Client Relations
- WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases

#### REQUIRED QUALIFICATIONS

- Degree of University Education (PE) in Exact Sciences (Physics, Chemistry, Geology)
- Postgraduate Student or Holder of Postgraduate Degree in University Education (PE) in the research area of Nanotechnologies
- Proven know-how on surface characterization of organic and inorganic materials for organic and printed electronics (photovoltaics or organic light emitting diodes)  
*Note: The knowledge is documented with a relevant certificate or with a relevant bachelor's / diploma / doctoral thesis / dissertation or with relevant courses of the study cycle (detailed grade and if by its title*
- Very good command of English language (C1).

#### ADDITIONAL QUALIFICATIONS

- Seminars - Trainings related of research results in the field of Nanotechnology

#### QUALIFICATIONS ASSESSMENT

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40

2	Seminars - Trainings (per training hour) and up to 300 hours or (per training seminar) and up to 5 training seminars	0.25 per hour or 15 per seminar
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**All the qualifications listed above are in relevance with the project requirements and objectives.**

**One (1) Physicist, PhD student, up to € 22.500,00, until 31/08/2023**

**JOB DESCRIPTION (B)**

The job description includes the following:

- Deposition based on wet liquid techniques such as slot-die and inkjet printing, of organic nanocoatings from photoactive polymers, copolymers and polymer blends for Organic Electronic devices.
- Characterization of optical, electronic properties and chemical composition of polymeric and organic materials and multilayer structures for Organic Electronic devices.
- Participation in conferences, workshops and exhibitions and contribution in the organization of conferences and workshops for the dissemination and promotion of the project results. Support in drafting progress reports and project deliverables based on the work plan.

The above object will be implemented in the framework of work packages

- WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification  
 WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities  
 WP6 FF2S OITB Operation, Sales and Client Relations  
 WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases

**REQUIRED QUALIFICATIONS**

- Degree of University Education in Physics
- PhD student in the research area of Nanotechnologies
- Research experience of 12 months from participation in research programs in a field related to Nanotechnologies or related to Organic Electronics
- Proven knowledge in measurement and analysis of the optical and electronic properties, chemical composition by spectroscopic techniques of thin films and nanomaterials
- Excellent knowledge of English (C2)

**ADDITIONAL QUALIFICATIONS**

- Postgraduate Degree in University Education in the research area of Nanotechnologies
- Additional research experience from participation in research programs in a field related to Nanotechnologies and related to Organic Electronics
- Participations in Seminars in the knowledge area of Nanotechnologies and Organic Electronics
- Publications in scientific journals in subjects relevant to Organic Electronics and Organic Electronics
- Announcements in conference proceedings in subjects relevant to Organic Electronics and Organic Electronics

**QUALIFICATIONS ASSESSMENT**

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Postgraduate degree	200
3	Research Experience (per month) and up to 72 months <i>Note: only months beyond the required experience are graded</i>	7 (per month)
4	Seminars - Trainings (per training hour) and up to 300 hours or (per training seminar) and up to 5 training seminars	0.25 per hour or 15 per seminar
5	Publications in scientific journals (per publication) and up to 6 publications	40 (per publication)
6	Announcements at scientific conferences (per announcement) and up to 6 announcements	15 (per announcement)

**All the qualifications listed above are in relevance with the project requirements and objectives.**

**One (1) one person, Materials Scientist, Holder of a Master's Degree, up to 20.800,00 €, until 31/08/2023**

**JOB DESCRIPTION (C)**

The job description includes the following:

- Design of manufacturing processes for Organic Electronic devices with printing techniques and characterization of their optical and electrical properties
- Contribution in the organization of conferences, workshops and exhibitions for the dissemination and promotion of the project results. Support in drafting activity reports, progress reports and project deliverables based on the work plan.

The above object will be implemented in the framework of work packages

WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification

WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities

WP6 FF2S OITB Operation, Sales and Client Relations

WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases

**REQUIRED QUALIFICATIONS**

- Degree of University Education in Materials Science
- Postgraduate Degree of University Education in the research area of Materials Science
- Research experience of 12 months in design of two- and three-dimensional products
- Proven knowledge of development of nanostructured materials

*Note: The knowledge is documented with a relevant certificate or with a relevant diploma / diploma / doctoral thesis / dissertation or with relevant courses of the study cycle (detailed grade and if the correlation does not immediately result from the title of the course, the detailed grade must be accompanied by its description course in the Study Guide).*

- Very good knowledge of English (C1).

**ADDITIONAL QUALIFICATIONS**

- Additional professional experience in design of two- and three-dimensional products
- Seminars relevant to the science of Chemistry
- Publications in scientific journals related to the subject of nanotechnologies/nanostructured materials

**QUALIFICATIONS ASSESSMENT**

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Professional Experience/Research (per month) and up to 72 months <i>Note: only months beyond the required experience are graded</i>	7 (per month)
4	Seminars - Trainings (per training hour) and up to 300 hours or (per training seminar) and up to 5 training seminars	0,25 per hour or 15 per seminar
5	Publications in scientific journals (per publication) and up to 6 publications	40 (per publication)

**All the qualifications listed above are in relevance with the project requirements and objectives.**

**One (1) one person, Physicist up to 17.400,00 €, until 31/08/2023**

**JOB DESCRIPTION (D)**

The job description includes the following:

- Development of organic semiconductor materials for printed Organic Electronic devices for energy generation and/or lighting with printing techniques
- Characterization of optical and electronic properties of polymer and organic materials and multilayered structures for Organic Electronic devices
- Participation in the dissemination and promotion of the project results by participation in conferences, scientific journals, workshops, and exhibitions, and through electronic and printed media. Support in drafting progress reports and deliverables based on the project work plan.

The above object will be implemented in the framework of work packages

- WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification
- WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities
- WP6 FF2S OITB Operation, Sales and Client Relations
- WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases

#### REQUIRED QUALIFICATIONS

- Degree of University Education in Physics
- Postgraduate Student or Postgraduate Degree of University Education in the research area of Nanotechnologies
- Proven knowledge in the development and characterization of organic materials for printed Organic Electronic devices for energy generation or lighting

*Note: The knowledge is documented with a relevant certificate or with a relevant diploma / diploma / doctoral thesis / dissertation or with relevant courses of the study cycle (detailed grade and if the correlation does not immediately result from the title of the course, the detailed grade must be accompanied by its description course in the Study Guide).*

- Very good knowledge of English (C1).

#### ADDITIONAL QUALIFICATIONS

- Seminars relevant to the Physics and/or Nanotechnology

#### QUALIFICATIONS ASSESSMENT

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Seminars - Trainings (per training hour) and up to 300 hours or (per training seminar) and up to 5 training seminars	0,25 per hour or 15 per seminar

**All the qualifications listed above are in relevance with the project requirements and objectives.**

**One (1) person, Chemist, up to 14.500.00 €, until 31/08/2023**

#### JOB DESCRIPTION (E)

- Synthesis and development of nano-materials for Organic Electronic devices with printing techniques
- Characterization of optical and electronic properties and the functionality of polymer and organic nanomaterials for Organic Electronic devices
- Support in drafting progress reports and deliverables based on the project work plan. Participation in the dissemination and promotion of the project results by participation in conferences, scientific journals, workshops, and exhibitions, and through electronic and printed media.

The above object will be implemented in the framework of work packages

- WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification
- WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities
- WP6 FF2S OITB Operation, Sales and Client Relations
- WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases
- WP8 Creation of clusters, dissemination and promotion, Exploitation

#### REQUIRED QUALIFICATIONS

- Degree of University Education in Chemistry
- Postgraduate Student or Postgraduate Degree of University Education in the research area of Nanotechnologies
- Proven knowledge in the development and characterization of organic materials for printed Organic Electronic devices for energy generation or lighting

*Note: The knowledge is documented with a relevant certificate or with a relevant diploma / diploma / doctoral thesis / dissertation or with relevant courses of the study cycle (detailed grade and if the correlation does not immediately result from the title of the course, the detailed grade must be accompanied by its description course in the Study Guide).*

- Very good knowledge of English (C1).

#### ADDITIONAL QUALIFICATIONS

- Seminars relevant to the Chemistry and/or Nanotechnology
- Participation in the organization of scientific conferences

## QUALIFICATIONS ASSESSMENT

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Seminars - Trainings (per training hour) and up to 300 hours or (per training seminar) and up to 5 training seminars	0,25 per hour or 15 per seminar

All the qualifications listed above are in relevance with the project requirements and objectives.

### One (1) person, Physicist, up to 21.000,00 € / until 31/08/2023

#### JOB DESCRIPTION (F)

- Characterization of structural, optical, electronic and electrical properties and barrier properties of nanomaterials, thin films and Organic Electronic devices, as Organic Photovoltaics, and Organic Light Emitting Diodes and modelling and processing of the results
- Development of protocols for the characterization of nano-materials and devices for Organic Electronics
- Support in writing of technical reports and deliverables of the project based on the work plan. Participation in the dissemination and promotion of the project results by participation in conferences, scientific journals, workshops, and exhibitions, and through electronic and printed media.

The above object will be implemented in the framework of work packages

WP4 Facilities for Application Verification, Testing, Safety Assessment and pre-certification

WP5 Industrial validation of novel nanosurface functionalities and FF2S pilot facilities

WP6 FF2S OITB Operation, Sales and Client Relations

WP7 FF2S OITB Services Demonstration in 20 pre-commercial business cases

WP8 Creation of clusters, dissemination and promotion, Exploitation

#### 2. Required Qualifications

- Degree of University Education in Physics
- Postgraduate Degree of University Education in the research area of Nanotechnologies
- Proven knowledge in the processing of solutions and wet techniques for development of nano-materials and characterization of properties for organic and printed Electronics  
*Note: The knowledge is documented with a relevant certificate or with a relevant diploma / diploma / doctoral thesis / dissertation or with relevant courses of the study cycle (detailed grade and if the correlation does not immediately result from the title of the course, the detailed grade must be accompanied by its description course in the Study Guide).*
- Very good knowledge of English (C1).

#### Additional Qualifications

- Publications in scientific journals in subjects relevant to Organic Electronics
- Announcements in conference proceedings in subjects relevant to Organic Electronics

#### 4. Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Publications in scientific journals (per publication) and up to 6 publications	40 (per publication)
3	Announcements in conference proceedings (per announcement) and up to 6 announcements	15 (per announcement)

All the qualifications listed above are in relevance with the project requirements and objectives.

#### Required Documents:

1. Submission of Proposal - Statement (see appendix)
2. Detailed table data for the proof of experience, if needed (see appendix)
3. Detailed Curriculum Vitae

4. Copies of the Degrees (Note: In case the specialization / direction do not result from the Degree, the Detailed Score should be attached. In cases where the degree is a grading criterion and is not indicated in the copy of the degree then the detailed score is submitted additionally)
5. Copies of certificates and certifications of previous service, as well as any other document that will certify the information mentioned in the CV and which are related to the Required or Additional qualifications-criteria of this call for expression of interest.
6. Copy of certificate of military stats or discharge papers / Copy of deferral of enlistment (for male candidates)

\* Proof of Professional Experience:

A. For professional experience in the private sector

Certificate from the relevant insurance company is required. If the certification of the insurance company does not show the specialized experience, it is required to present a contract or service voucher that covers the duration of the specialized experience.

B. For professional experience in the public sector

Certificate of the employer and / or contract with the employer, proving the period and the object of employment is required.

\*\* Proof of Research Experience:

Research or participation in research centers or programs can be counted as experience time provided that the proposal includes: certificate of the employer proving the period of employment, the subject of employment, the title and the Academic Head for each research program or project. If the object of the project does not result from the above then a relevant certification from the Academic Head is required for each research program, in which the object of the research will be mentioned.

All the above concerning the experience apply if the candidates during their participation held the required basic qualification or the required professional license or other professional license or certificate.

Male candidates must have fulfilled their military obligations or have been legally discharged from them or have been deferred for the entire duration of the project. In case the time for which a deferral of enlistment has been received does not cover in its entirety the duration of the project, ELKE AUTH is obliged to terminate the respective contract at the expiration time of the above deferral. Both the contractor of the Special Account and the Academic Head Officer of the project are obliged to immediately inform ELKE AUTH one (1) month before the end of the deferral.

Proposals and required documents should be submitted by e-mail to [info@physics.auth.gr](mailto:info@physics.auth.gr) or in person or by post to the following address Department of Physics AUTH 54124, Thessaloniki, Greece, **no later than the 15/07/2022 at 13:00** (Applications will be attributed a reference number).

This Invitation will be published on the website of ELKE AUTH <https://www.rc.auth.gr/JobPosition/List> and on the website of "Diavgeia".

For more information and questions regarding the position, candidates may refer to **2310- 998850** For information on the proposal submission process candidates may contact ELKE AUTH at **2310- 994009, 994082, 994022**.

Submitted proposals will be evaluated by a three-member Evaluation Committee based on the requirements/provisions of the call.

The candidate who wishes to submit an objection to the result (Decision for Approval of Results) is entitled to recourse either via e-mail to [prosk@rc.auth.gr](mailto:prosk@rc.auth.gr) or in person or by post to the Special Account of Research Authorities of the Aristotle University of Thessaloniki (Research Committee AUTH, 1st floor, Office 101 - 3rd September Str., University Campus 546 36, Thessaloniki, Greece) within five (5) working days from the day following the posting of the Decision for Approval of Results on the website of ELKE AUTH and Diavgeia. The candidate has the obligation to be informed about the posting of the results from the website of ELKE <https://www.rc.auth.gr/JobPosition/List> in the online posting of this call for expression of interest in Diavgeia. Candidates are entitled to access the data of the individual proposal file and the assessment and evaluation papers of their own and of their other co-candidates, upon written request within five (5) working days of the day

following announcement of the results on the website of Diavgeia and under the conditions of articles 5 of Law 2690/1999, 42 of Law 4624 / 2019 and 6 par. 1 lit. f of the GCC (EU 2016/679).

ELKE AUTH takes all appropriate measures for the protection of personal data during the evaluation process and it is strongly recommended that you read about the data protection policy and your rights on the AUTH website <https://www.auth.gr/gdpr>.

## EVALUATION PROCEDURE – OTHER CONDITIONS

1. From all the proposals submitted according to the above specifications, the one that best meets the project's requirements will be selected and awarded a work contract on the basis of contractual freedom.
2. Only proposals / objections that will be received by the set date and time will be considered. In the case of postal submission, the deadline is judged on the basis of the date mentioned in the shipping file, provided that it will be received by ELKE AUTH no later than the announcement of the results. ELKE AUTH bears no responsibility for the content of the candidacy files that will be sent.
3. Changes to the proposals (replacements, corrections or submission of additional documents) are not allowed after the expiration of the deadline.
4. Any diplomas of higher education (undergraduate, postgraduate and doctoral) which are included in the Required or Additional Qualification and have been awarded by institutions abroad, must be accompanied by certificates of recognition by the Hellenic National Academic Recognition and Information Center (Hellenic NARIC). In case the diplomas mentioned above have not been recognized during the submission of the proposal, the relevant application for recognition by NARIC can be submitted. It is pointed out, however, that a contract cannot be concluded without the submission of the recognition of the academic titles by NARIC. In any case, ELKE AUTH reserves the right and discretion, depending on the needs of each research project and especially the time of its implementation, to finally contract with the next candidate that holds such certificates. In addition, when the call for expression of interest stipulates a grading/points scale of the degree, it is required to submit a certificate of the equivalent degree grade issued by NARIC. In the case that, all certificates for the recognition of a degree are provided but the certificate of the equivalent degree grade by NARIC is not submitted, the candidate's proposal will be accepted but no points for the degree will be awarded.
5. In case the diplomas of higher education have been awarded by institutions in Greece and the call requires a grading /points scale of the degree, it is required that the grade is indicated in the presented degree. If the grade is not indicated in the degree then the detailed course score is presented. In case the degree does not indicate the grade and a detailed course score has not been submitted, the proposal of the interested person is not rejected, but the specific required qualification is not graded.
6. It is pointed out that the procedure for submitting proposals for the conclusion of a project lease contract is not competitive, while the selection of a contractor has the character of accepting the proposal and not "recruitment". The evaluation process will be completed by compiling a ranking list and / or a list of excluded, while those selected will be notified individually. In case of a tie, the proposal of the interested person is selected in order a) with the longest experience, b) with the highest bachelor's degree mark, c) with the highest master's degree mark.
7. The proposal that is first in the ranking table and has the highest score in all the scoring criteria will be the one that will be selected. In case of obstruction of the person who submitted it, the next proposal is selected until the ranking order is exhausted.
8. Any submitted proposal that does not meet the criteria of the call of the expression of interest will not be examined any further and will be automatically rejected.
9. Throughout the duration of the project it is possible that the selected candidate(s) may be replaced, if necessary, by other candidate(s) of the present call and in accordance with the ranking list.
10. The contract may be extended without restriction, following a decision of the competent body of ELKE AUTH and if the required budget of the project allows it, without a new invitation, until the end date of the project (and in case of extension of the project until its new end date).
11. ELKE AUTH does not undertake any commitment to conclude a contract, as it is left to its full discretion to conclude or not contracts, as well as their number, excluding any claim of the interested parties.
12. The project assignment will take place in accordance with the provisions of the Program Implementation Guide.
13. For candidates, language knowledge shall be certified according to Article 1 of Presidential Decree 146/2007 "Amendment of provisions of Presidential Decree 50/2001 Defining qualifications for the appointments of posts in the public sector" (Government Gazette 185/3.8.2007/Issue A'), in conjunction with the last passage of paragraph 1 of Article 1 of the Presidential Decree 116/2006 "Amendment of Article 28 of Presidential Decree 50/2001" (Government Gazette 115/9.6.2006/Issue A'). For foreign candidates, there shall be equivalent language skills verification.
14. For candidates, computer skills shall be certified according to the Article 27 par.6 of Presidential Decree 50/2001 "Defining qualifications for the appointments of posts in the public sector" (Government Gazette 39/5.3.2001/Issue A', 24/30.01.2013 /Issue A' and 63/9.3.2005/Issue A').
15. Foreign documents must be accompanied by photocopies of their official translation into the Greek language.
16. It should be noted that the project assignment to candidates employed in the Public Sector, in Public and Private Bodies, etc. is subject to the provisions of paragraph 14 of Article 12 of YAKED 110427/EYTHY1020/01.11.2016

The President of the Research Committee

Efstratios A. Stylianidis  
Vice Rector Research and Lifelong Learning AUTH



**SUBMISSION OF PROPOSAL - STATEMENT\***  
(with consequences of law on false/inaccurate statement)

Mobile phone: ..... E-mail: ..... VAT number: .....

**Please note in this proposal - statement and outside of the postal file the following**

**(To be completed by the candidate):**

1. The protocol number of this call

2. The code of project object you would like to participate (A,B,C etc)

I affirm that the information given in  
this proposal - statement is accurate and true

**SIGNATURE**

Date : \_\_\_/\_\_\_/\_\_\_\_\_

Find attached : 1.  
2.

*\*Incomplete filling of the proposal – statement constitutes a criterion for exclusion*

**DETAILED TABLE DATA FOR PROOF OF EXPERIENCE**

(The person concerned records all relevant experience to the subject of the call **if required**)

a/a	From	To	(a)	(b)	Institution of Employment - Employer	Employer Category <sup>(1)</sup>	Task of Employment
			Months of Employment	Days of Employment			

**TOTAL** ..... **GENERAL TOTAL MONTHS OF EXPERIENCE** <sup>(2)</sup>

**(1)** Complete as appropriate with 'PR' or 'PU' depending on the category of the Employment Office, where PR: Private sector, individuals or private legal entities (corporations, etc.) • PU: Public sector, government agencies or public entities or local authorities of first and second degree or private entities in the public sector of par. 1 of Art. 14 of Law. 2190/1994 as in force or bodies of par. 3 of Art. 1 of Law. 2527/1997. In the case of self-employed, complete with the indication "SE".

**(2)** Complete the GENERAL TOTAL MONTHS OF EXPERIENCE. When, in Column (b) shows experience, the total days of employment divided by 25 (if the experience has been calculated as the number of wages) or by 30 (if the experience has been calculated as the period from the start day until the expiration date of employment) and the resulting integer is added to the total months of employment of the column (a).