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Project Code.: 71603

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TO BE PUBLISHED ONLINE

CALL FOR EXPRESSION OF INTEREST

(For submission of proposals for the conclusion of a project lease contract)

The Research Committee (Special Account for Research Funds) of Aristotle University of Thessaloniki, in the framework of the project « **An experimentally-validated multi-scale materials, process and device modelling & design platform enabling non-expert access to open innovation in the Organic and Large Area Electronics Industry (MUSICODE)** » funded under the European Commission under the Horizon 2020, with Academic Head, Prof. Stergios Logothetidis, Professor of Physics, invites candidates to submit proposals for seven **(7) positions** as described below, through the award of a project contract, starting from the signing of the contract until **31/12/2023** and with a total anticipated remuneration **49,110.00 €** (VAT and taxes included). The contracts can be extended until the end date of the project **31/12/2024** (in case of extension until its completion) and within the approved limits of its budget.

One (1) person, Holder of a Master's degree in Nanotechnology, up to € 7,000.00, until 31-12-2023

Job Description (A)

- Characterization of structural, optical, electronic and electrical properties of Organic Electronic devices, as Organic Photovoltaics, and Organic Light Emitting Diodes
- Development of nanomaterials for Organic Electronic devices for energy production and / or lighting with techniques of printing and vapor deposition of organic materials.
- Modelling and processing of the results
- Compilation of technical reports and deliverables based on the work plan of the project.

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

WP2 Development of multiscale Modelling tools

WP3 Model validation by analytical characterization

WP4 Development of Open Innovation Modelling Platform

WP6 User cases

Required Qualifications

- Degree of University Education in Physics
- Master Degree in University Education in the research area of Nanotechnologies.
- Research* experience of 24 months in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics or/and Physics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and or/and Characterization Techniques or/and Organic Electronics or/and Physics

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 60 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 6,700.00, until 31-12-2023

Job Description (B)

- Development of organic semiconductor materials for printed Electronic devices for energy production or/and lighting with techniques of printing and vapor deposition of organic materials, and Characterization of their optical and electrical properties.
- Modelling and processing of the results
- Compilation of technical reports and deliverables based on the work plan of the project.

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

WP2 Development of multiscale Modelling tools

WP3 Model validation by analytical characterization

WP6 User cases

Required Qualifications

- Degree of University Education in Physics
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 12 months in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics or/and Physics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and or/and Characterization Techniques or/and Organic Electronics or/and Physics

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 72 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 6,700.00, until 31-12-2023

Job Description (C)

- Synthesis and Development of nanomaterials for Organic Electronic devices by printing and gas transport processes and characterization of their optical and electrical properties and their functionality.
- Modelling and processing of the results
- Compilation of technical reports and deliverables based on the work plan of the project.

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

WP2 Development of multiscale Modelling tools

WP3 Model validation by analytical characterization

WP6 User cases

Required Qualifications

- Degree of University Education in Chemistry
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 12 months in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience in the development of Printed Electronic Devices or/ from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Chemistry
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and or/and Characterization Techniques or/and Chemistry

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 72 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 8,600.00, until 31-12-2023

Job Description (D)

- Synthesis of nanomaterials for development of Organic Electronic devices by printing processes
- Communication with stakeholders of the project for organization of actions and participation in compilation of meeting proceedings, activity reports and project deliverables based on the work plan of the project.

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

WP3 Model validation by analytical characterization

WP5 Cooperation with EU stakeholders for population of the workflows

WP6 User cases

Required Qualifications

- Degree of University Education in Science of Biological Applications and Technologies or Chemistry
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 6 months from participation in research programs in a field related to Nanotechnologies or/and synthesis of organic materials and development of thin films through solutions
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience from participation in research programs in a field related to Nanotechnologies or/and synthesis of organic materials and development of thin films through solutions
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Organic Electronics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and Organic Electronics
- Participation in the organization of conferences

Note: It is certified with a relevant certificate from the Academic Head or the organizer of the conference

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 78 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)
6	Organization of conferences (per conference) and up to 5 conferences	≤ 50 (in the scale of 10)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 8,010.00, until 31-12-2023

Job Description (E)

- Synthesis and development of organic semiconductor and nano-materials for printed Electronic devices for energy production or/and lighting with techniques of printing and vapor deposition of organic materials, and Characterization of their optical and electrical properties.
- Support in compilation of technical reports and deliverables based on the work plan of the project.

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

WP3 Model validation by analytical characterization

WP6 User cases

Required Qualifications

- Degree of University Education in Physics
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 6 months from participation in research programs in a field related to Nanotechnologies or/and Organic Electronics
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience from participation in research programs in a field related to Nanotechnologies or/and Organic Electronics
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Physics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Physics

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 78 months max	7 (per month)

	<i>Note: only months beyond the Required Experience are graded</i>	
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 5.700.00, until 31-12-2023

Job Description (F)

- Characterization of the surface of flexible substrates (coated and not) with atomic force microscopy techniques. Characterization of mechanical properties of flexible materials and surfaces and processing of the results
- Synthesis and development of nano-materials for Organic Electronic devices for energy production or/and lighting with techniques of printing and vapor deposition of organic materials
- Support in compilation of meeting proceedings, activity reports and project deliverables based on the work plan of the project.

The above object will be implemented in the framework of work packages
 WP3 Model validation by analytical characterization
 WP6 User cases

Required Qualifications

- Degree of University Education in Physics or Chemistry or Geology
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 9 months from participation in research programs in a field related to Nanotechnologies or/and Organic Electronics or/and Characterization of the surface of organic materials
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience from participation in research programs in a field related to Nanotechnologies or/and Organic Electronics or/and Characterization of the surface of organic materials
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 75 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

One (1) person, Master Student or Holder of a Master's Degree in Nanotechnology, up to € 6.400.00, until 31-12-2023

Job Description (G)

- Characterization of properties of nano-materials, thin films and Organic Electronic devices, as Organic Photovoltaics, and Organic Light Emitting Diodes and processing of the results
- Synthesis and development of nanomaterials for Organic Electronic devices by printing processes and study of their functionality.

- Participation in the publication and promotion of the results of the project through participation in organization of conferences, scientific journals, workshops and exhibitions, and through electronic and print media.

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

WP3 Model validation by analytical characterization

WP6 User cases

WP7 Dissemination, Communication and Exploitation activities

Required Qualifications

- Degree of University Education in Physics
- Master Student or Holder of Postgraduate Degree in University Education in the research area of Nanotechnologies
- Research* experience of 12 months in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Very Good knowledge of English (C1).

Additional Qualifications

- Additional research* experience in the development of Printed Electronic Devices or/and from participation in research programs in a field related to Nanotechnologies or/and related to Organic Electronics
- Excellent Knowledge of English Language (C2)
- Publications in scientific journals in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics or/and Physics
- Announcements in conference proceedings in subjects relevant to the area of Nanotechnologies or/and Characterization Techniques or/and Organic Electronics or/and Physics
- Participation in the organization of conferences

Note: It is certified with a relevant certificate from the Academic Head or the organizer of the conference

Qualifications Assessment

	PROSON – CRITERIA	RATING UNITS (Research staff)
1	Bachelor's degree mark	Grade * 40
2	Research Experience* (per month) - 72 months max <i>Note: only months beyond the Required Experience are graded</i>	7 (per month)
3	Excellent knowledge of English language (C2)	70
4	Publications in scientific journals (per publication) – 6 max	40 (per publication)
5	Announcements in scientific conferences (per announcement) – 6 max	15 (per announcement)
6	Organization of conferences (per conference) and up to 5 conferences	≤ 50 (in the scale of 10)

The scoring units shall be counted for those qualifications which refer to the qualifications required or taken into account in the call and are objectively relevant to the project requirements.

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 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 either via e-mail to cgrava@auth.gr or in person or by post to the following address 1st floor, Faculty of Sciences Secretariat bldg. (School of Biology bldg) A.U.Th. Campus 54124, Thessaloniki, within hours 10:30-12:00 no later than 12/06/2023 at 12:00.

Proposals will be attributed a reference number from the Secretariat of the Department of the Academic Head of the project.

This Invitation will be published on the website of ELKE AUTH <https://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> and on the website of "Diavgeia".

For more information and questions regarding the position, candidates may refer to **00302310-998850**. For information on the proposal submission process candidates may contact ELKE AUTH at **00302310-994052, 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 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) 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://rc.auth.gr/proskliseis-gia-apasholisi-se-erga> 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) 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. The knowledge of foreign languages is certified in accordance with the provisions of the Presidential Decree 85/2022 "Determining the qualifications for appointment to positions of public sector" (A'232/17.12.2022), especially according to the articles 10, 14 par. 3 and 15 par. 7.
14. Foreign documents must be accompanied by photocopies of their official translation into the Greek language except for English, French, German, Italian and Spanish language certificates which, if they meet the conditions of the P.D. 85/2022, are accepted without requiring their translation.
15. For candidates, computer skills shall be certified according to the Presidential Decree 85/2022 "Determining the qualifications for appointment to positions of public sector" (A'232/17.12.2022), especially according to the article 9.
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

Professor Efstratios Stylianidis
Vice Rector Research and Lifelong Learning

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, D, E, F, G)

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 ⁽¹⁾	Task of Employment
			Months of Employment	Days of Employment			

TOTAL **GENERAL TOTAL MONTHS OF EXPERIENCE** ⁽²⁾

(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).