Information about the job application contest for the position of

**„Associate Professor”** **[[1]](#footnote-1)**

[Department of Engineering Sciences in the Electrical Field](https://cmu-edu.eu/en/faculty-of-naval-electromechanics/departments-of-naval-electromechanics/department-of-engineering-sciences-in-the-electrical-field/),

Position no.2 in the job title list

Naval Electromechanics Faculty

Constanta Maritime University

**a.) Description of the role**

The job is a full-time position in the Engineering Sciences in the Electrical Field Department, Naval Electromechanics Faculty, Constanta Maritime University

*Academic Discipline in the curricula:* High voltage technique; Production, transmission and distribution of electricity; Electricity quality monitoring; Naval electric drive systems

Naval electric drive systems - project.

**b) Tasks / Activities associated with the role**

*Teaching Load:* Related duties /activities

|  |  |  |
| --- | --- | --- |
| **Nr.** | **Type of Activity** | **Nr.of conventional hours** |
| 1. | Teaching Activities | 4 h /week |
| 2. | Supervision of Seminar, Labs, and Projects | 4 h /week |
| 3. | Guidance for the elaboration of the Bachelor thesis | 4 h /week |
| 4. | Guidance for the elaboration of the Master thesis | 2 h /week |
| 5. | Guidance for the elaboration of PhD thesis | \_\_\_\_ |
| 6. | Research and Scholarly Activities enlisted in the Curricula | 2 h /week |
| 7. | Management of educational-artistic or sports activities | \_\_\_\_ |
| 8. | Assessment Activities | 2 h /week |
| 9. | Tutoring, counseling, guidance of students’ scientific groups, of students within the European Credit Transfer and Accumulation System | 2 h/week |
| 10. | Participation in councils and commissions in the interest of education, including admission and completion of studies committees | 2 h/week |
| 11. | Self-Study | 8 h /week |

*Research Load*

|  |  |  |
| --- | --- | --- |
| **Nr.** | **Type of Activity** | **Nr. ore conventionale** |
| 1. | Research Activities | 10 h /week |

**c.) Minimum wage for classification**

|  |  |  |
| --- | --- | --- |
| Nr. | Years of academic labor | Minimum wage for classification |
| 1 | 0-3 years | - |
| 2 | 3-5 years | 4,485 |
| 3 | 5-10 years | 4,620 |
| 4 | 10-15 years | 4,973 |
| 5 | 15-20 years | 5,338 |
| 6 | 20-25 years | 5,956 |
| 7 | 25-30 years | 6,561 |
| 8 | 30-35 years | 6,636 |
| 9 | 35-40 years | 6,783 |
| 10 | Peste 40 years | 6,830 |

**d.) Calendar of the job application contest**

* The Application period will run 45 days after the publication date in the Official Monitor
* The contest takes place in no more than 45 days after the application period.
* The Higher Education Institution announces on its website the contest date, time and place at least 5 working days before the contest

**CALENDAR OF THE JOB APPLICATION CONTEST FOR OCCUPYING DIDACTIC VACANCIES 2ndSEMESTER, ACADEMIC YEAR 2019/2020**

VACANCIES WERE PUBLISHED IN ROMANIA’S OFFICIAL MONITOR No. 306 on the 15th of APRIL 2020, THIRD PART

|  |  |
| --- | --- |
| Presenting the contest files | The 15th of April 2020 – the 15th of July 2020 |
| Contest/Lecture presentation | The 31th of July 2020 – the 14th of August 2020 |
| Communication of results | The 14th of August 2020 |
| Solving litigations | The 15th – the 17th of August 2020 |
| Faculty Council Session for approving contest reports | The 18th of August 2020 |
| Senate Session for validating the contest | The 19th of August 2020 |

**e.) Job Application Contest Procedures**

In order to enter the competition for a teaching and research position, the candidate prepares a dossier containing at least the following documents:

a) Application form, signed by the candidate, including an affidavit about the veracity of the information presented in the file;

b Proposal to develop the candidate's academic career in terms of teaching, in case of teaching positions and also in terms of scientific research; the proposal shall be made by the candidate, it includes more than 10 pages and is one of the main criteria of selecting candidates..

c) Curriculum vitae of the candidate, printed and electronically

d) List of candidate’s works, printed and electronically;

e) A sheet verifying the fulfillment of university standards of presentation in the competition, whose standard format is required by its own methodology. The verified sheet is completed and signed by the candidate;

f) Documents which relate to the degree of doctor: copy of the diploma of doctor and, if the original doctor's degree is not recognized in Romania, certificate of recognition or equivalence thereof;

g)  Summary of the thesis in Romanian and a foreign language, or, where applicable, habilitation thesis on no more than one page for each language;

h) The candidate's affidavit indicating incompatibility situations stipulated by Law no. 1/2011 as they are for winning the competition or lack of such situations of incompatibility;

i) Copies of other diplomas demonstrating the candidate’s studies

j) Copy of identity card or, if the candidate does not have an identity card, passport or other identity document issued in an equivalent identity purpose;

k) If the candidate has changed his name, copies of documents certifying the name change - marriage certificate or proof of name change;

l) Maximum 10 publications, patents and other papers of the candidate, in electronic format, selected by him and considered to be most relevant for their professional achievements.

m) Minimum 3 letters of recommendation regarding professional competences of the candidate’s, issued by personalities in position disciplines domanin, from national universities and research centers, including their name and contact address.

*Curriculum vitae of the candidate must include:*

a) information about the studies and diplomas obtained;

b) information on professional experience and relevant jobs;

c) information about research and development projects which he led as project manager and grants obtained, if there are such projects or grants, indicating for each funding source, funding amount and the main resulting publications and patents;

d) information about the awards or other recognition of scientific contributions of the candidate.

*Full list of papers of the candidate will be as follows:*

a) List of more than 10 papers of the candidate to be most relevant for his professional achievements, which are included in the electronical file and can be found in other types of works under this article. For the post of professor, works list will specify which of the papers presented are carried out after obtaining the certificate of entitlement;

b) The doctoral thesis or theses;

c) Patents and other industrial property titles;

d) Books and chapters in books;

e) Articles/studies extensively published in international scientific journals in the main stream;  
f) In extenso publication, the main works published in international specialized conferences;

g) other works and scientific contributions, as appropriate, in the field of artistic creation.

*Candidate's professional* *competence* is assessed by the competition commission based on the record of the competition and, additionally, by one or more samples of the competition, including lectures, courses or other similar support under this methodology:

1. for all posts for indefinite period, a test is represented by a public lecture at least 45 minutes in which the candidate has the most significant previous professional and academic career development plan.
2. for all teaching positions, candidates who do not come from higher education, the evaluation of the quality of the teaching activity is mandatory based on a specialized lecture (course) in front of the representatives of the competition commission. The competition commission may also request such a course in the case of tenured or associated teachers, working in the UMC or in another university, if it deems it necessary.
3. The Higher Education Institution announces on its website the contest date, time and place at least 5 working days before the test.

*Stages of the contest:*

*Stage I:* the assessment of the candidate’s application file (evaluation of the documents in accordance with Methodology for occupying vacant didactic and research positions.

*Stage II:* In the public lecture, the candidate has to deliver in at least 45 minutes, before the competition commission and the department members, his/her most significant professional results as well as plans for the development of his /her academic/scientific career.

*Stage III* (if applicable) - specialized lectures (course) in front of the representatives of the competition commission.

**f.) The candidate dossier must contain at least the following documents:**

a) Application form, signed by the candidate, including an affidavit about the veracity of the information presented in the file;

b Proposal to develop the candidate's academic career in terms of teaching, in case of teaching positions and also in terms of scientific research; the proposal shall be made by the candidate, it includes more than 10 pages and is one of the main criteria of selecting candidates..

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m) Minimum 3 letters of recommendation regarding professional competences of the candidate’s, issued by personalities in position disciplines domain, from national universities and research centers, including their name and contact address.

**g.) Contest Themes**

|  |  |
| --- | --- |
| **No.** | **Content** |
| 1 | Electric drive of anchoring-mooring installations |
| 2 | Electric drive of loading-unloading installations |
| 3 | Electric drive of the steering gear |
| 4 | Electric drive of auxiliary mechanisms |
| 5 | Selection and verification of the electric drive motor for the loading-unloading, anchoring-mooring, steering system |
| 6 | Power plants. Schematic diagrams. Characteristic elements for the installations of the electrical part of the power plants. |
| 7 | Wiring diagrams for power stations. Criteria for choosing electrical appliances and equipment |
| 8 | Calculation of short-circuit currents and measures to limit them |
| 9 | Secondary circuits and relay protection |
| 10 | Determining the power and electricity needed by consumers |
| 11 | Installations for connection to the system and distribution of electricity |
| 12 | Power and lighting electrical installations. Sizing and choice of appliances and equipment |
| 13 | Reactive power and energy. Power factor compensation |
| 14 | Consumers and specific operating regimes. |
| 15 | Power balances |

**Bibliography**

|  |  |  |
| --- | --- | --- |
| **No.** | **Authors** | **Title** |
| 1 | Freidzon I.R. | *Acţionarea electrică a mecanismelor navale*, Editura Tehnică, Bucureşti, 1979. |
| 2 | Fransua Al. | *Maşini şi sisteme de acţionări electrice*, Editura Tehnică, Bucureşti, 1978. |
| 3 | Gheorghiu S., Panait C. | *Mașini și sisteme de acționări electrice navale*, Editura Academiei Romane, Bucuresti 2004. |
| 4 | Nanu D. | *Instalaţii electrice navale,* Editura Centrul Tehnic – Editorial al Armatei .,Bucureşti, 2009. |
| 5 | Scripcariu M. | *Echipamente de distribuție a energiei electrice,* Editura Politehnica Press, București, 2008 |
| 6 | Preda L., Heinrich I., Buhuș P. | *Stații și posturi electrice de transformare*, Editura Tehnică, București,2008 |
| 7 | Conecini I., Tomescu I. Ionescu A. | *Cartea electricianului din stații și posturi de transformare*, Editura Tehnică, București, 1986 |
| 8 | Miclescu Th., Iacobescu G., Iordănescu I. | *Utilizarea energiei electrice,* Editura Didactică și Pedagogică, București, 1980 |
| 9 | Pantelimon L., Comșa D  Dinculescu P. | *Utilizarea energiei electrice și instalații electrice. Probleme,* Editura Didactică și Pedagogică, București, 1980 |
| 10 | Pietrăreanu E. | *Agenda electricianului,* Editura Tehnică, București,1979 |
| 11 | Scripcariu M., Costinaș ,Comanescu G. | *Prelegeri de partea electrică a centralelor și stațiilor electrice,* Editura Politehnica Press, București, 2010 |

**h.) The application for the competition will be submitted to the address enclosed in the header.**

Dean, Head of Department,

Assoc. Prof. OMOCEA Ion, PhD Lecturer. DORDESCU Marian, PhD

1. Documentul original, cu ştampilă şi semnături se poate consulta la seiul Universităţii Maritime din Constanţa, str. Mircea cel Bătrân 104, Parter, sala P003 [↑](#footnote-ref-1)