



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
AREA DEL PERSONALE

ANNEX 1

TO THE CALL FOR APPLICATIONS – FULL PROFESSORS ARTICLE 18, PARAGRAPH 1

INDEX OF PROCEDURES:

BIGEA - DEPARTMENT OF BIOLOGICAL, GEOLOGICAL AND ENVIRONMENTAL SCIENCES
REF. O18C1II2022/1547/R22
COMPETITION SECTOR: 05/A1 - BOTANY
SUBJECT GROUP: BIO/02 - SYSTEMATIC BOTANY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar provided.

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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1549/R22
COMPETITION SECTOR: 01/B1 - COMPUTER SCIENCE
SUBJECT GROUP: INF/01 - COMPUTER SCIENCE
Posts: 1 **Place of employment: Rimini**
Teaching test not provided.
Seminar not provided.

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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1550/R22
COMPETITION SECTOR: 10/C1 - THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA
SUBJECT GROUP: L-ART/06 - CINEMA, PHOTOGRAPHY AND TELEVISION
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1551/R22
COMPETITION SECTOR: 11/C4 - AESTHETICS AND PHILOSOPHY OF LANGUAGE
SUBJECT GROUP: M-FIL/05 - PHILOSOPHY AND THEORY OF LANGUAGE
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DAR - DEPARTMENT OF THE ARTS

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REF. O18C1II2022/1548/R22
COMPETITION SECTOR: 11/A3 - CONTEMPORARY HISTORY
SUBJECT GROUP: M-STO/04 - CONTEMPORARY HISTORY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"
REF. O18C1II2022/1552/R22
COMPETITION SECTOR: 09/E2 - ELECTRICAL ENERGY ENGINEERING
SUBJECT GROUP: ING-IND/32 - CONVERTERS, MACHINES AND ELECTRIC CONTROLS
Posts: 1 **Place of employment: Bologna**
Teaching test provided.
Seminar provided.

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DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"
REF. O18C1II2022/1553/R22
COMPETITION SECTOR: 09/F1 - ELECTROMAGNETIC FIELDS
SUBJECT GROUP: ING-INF/02 - ELECTROMAGNETIC FIELDS
Posts: 1 **Place of employment: Cesena**
Teaching test provided.
Seminar provided.

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DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"
REF. O18C1II2022/1554/R22
COMPETITION SECTOR: 09/G2 - BIOENGINEERING
SUBJECT GROUP: ING-INF/06 - ELECTRONIC AND COMPUTER BIOENGINEERING
Posts: 1 **Place of employment: Cesena**
Teaching test provided.
Seminar provided.

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DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"
REF. O18C1II2022/1555/R22
COMPETITION SECTOR: 01/A6 - OPERATIONAL RESEARCH
SUBJECT GROUP: MAT/09 - OPERATIONAL RESEARCH
Posts: 1 **Place of employment: Bologna**
Teaching test provided.
Seminar provided.

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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1558/R22
COMPETITION SECTOR: 02/A2 - THEORETICAL PHYSICS OF FUNDAMENTAL INTERACTIONS
SUBJECT GROUP: FIS/02 - THEORETICAL PHYSICS MATHEMATICAL MODELS AND METHODS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1556/R22
COMPETITION SECTOR: 02/C1 - ASTRONOMY, ASTROPHYSICS, EARTH AND PLANETARY PHYSICS
SUBJECT GROUP: FIS/05 - ASTRONOMY AND ASTROPHYSICS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1557/R22
COMPETITION SECTOR: 02/D1 - APPLIED PHYSICS, DIDACTICS AND HISTORY OF PHYSICS
SUBJECT GROUP: FIS/08 - DIDACTICS AND HISTORY OF PHYSICS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DIMEC - DEPARTMENT OF MEDICAL AND SURGICAL SCIENCES
REF. O18C1II2022/1560/R22
COMPETITION SECTOR: 05/H2 - HISTOLOGY
SUBJECT GROUP: BIO/17 - HISTOLOGY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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DISI - DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
REF. O18C1II2022/1561/R22
COMPETITION SECTOR: 01/A5 - NUMERICAL ANALYSIS
SUBJECT GROUP: MAT/08 - NUMERICAL ANALYSIS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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BIGEA - DEPARTMENT OF BIOLOGICAL, GEOLOGICAL AND ENVIRONMENTAL SCIENCES
REF. O18C1II2022/1547/R22
COMPETITION SECTOR: 05/A1 - BOTANY
SUBJECT GROUP: BIO/02 - SYSTEMATIC BOTANY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: Teaching tasks, preferentially within BiGeA degree programmes, in the BIO/02 subject group. Scientific activity: The professor will carry out teaching and research work on the themes according to the declaration for the BIO/02 subject group, having regard in particular to: “taxonomic and biological diversity of living plants – including photosynthetic organisms, both prokaryotes and eukaryotes, fungi, and their symbionts – their evolution and the affinity relations between them. Other fields of research will include naturalistic museology, especially at Botanic Gardens, Herbaria and Museums where the collections being researched are grown and kept”. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 16 |
| | Seminar at the Department |
| Format of the seminar at the Department | The seminar will be held in Italian. The seminar will be held in person. |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; |

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| | <ul style="list-style-type: none">b) receipt of national and international awards and recognitions for research;c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none">a) originality, innovative nature, methodological rigour and importance of each publication;b) consistency of each publication;c) scientific importance of the journal in which each publication appears and its readership within the scientific community;d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined by considering in particular the candidate's position as first author, last author or corresponding author. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) other bibliometric indicators in order to assess the impact of the candidate's scientific productivity (Hirsch or similar index).</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1549/R22
COMPETITION SECTOR: 01/B1 - COMPUTER SCIENCE
SUBJECT GROUP: INF/01 - COMPUTER SCIENCE
Posts: 1 **Place of employment: Rimini**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: The successful candidate will be required to introduce and teach computer science to the DAR students, mainly at the Rimini Campus, taking responsibility for course units intended for students enrolled in first-cycle and second-cycle degree programmes in the area of Cultural and Creative Industries and Fashion. For instance, the successful candidate will be responsible for teaching computer science for fashion, computer science basics of fashion ecommerce, data science and immersive technologies for fashion ecommerce, advanced information and communication technologies for fashion lab, having regard in particular to interdisciplinary exchanges. Scientific activity: The successful candidate will research the following main areas: extended reality, mixed reality, virtual reality, augmented reality, consistently with the lines of research of the DAR, which cover studies on art, fashion, cinema, the media, communication, music, history and theatre. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; |

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| | <ul style="list-style-type: none"> b) ownership of patents; c) receipt of national and international awards and recognitions for research; d) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined also based on its consistency with the other scientific activity (Relevant, Adequately relevant, Reasonably relevant, Scarcely relevant), based on the indication of the candidate's name as first or last author or in alphabetical order and the number of co-authors. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the preceding parameters in order to assess the impact of the candidate's scientific productivity – Hirsch index, FWCI index (Scopus) and Quartile Scimago SJR index (Computer Science or similar areas).</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1550/R22
COMPETITION SECTOR: 10/C1 - THEATRE, MUSIC, CINEMA, TELEVISION AND AUDIOVISUAL MEDIA
SUBJECT GROUP: L-ART/06 - CINEMA, PHOTOGRAPHY AND TELEVISION
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | <p>Teaching activity: The successful candidate will be required to teach the theories and history of audiovisual media, with particular reference to television and digital platforms. For instance, the successful candidate will be responsible for teaching history of television and digital media, audiovisual languages, genres and formats, production, distribution and industrial cultures of television and platforms, and television and digital seriality, information and entertainment, as well as the relationship between audiovisual media and pop culture and cultural studies, having regard in particular to interdisciplinary exchanges.</p> <p>Scientific activity: Consistently with the main lines of research of the Department of the Arts, the successful candidate will research the following main areas: audiovisual forms and genres; history and languages of Italian and international television; development and evolution of audiovisual digital platforms; audiovisual, television and digital production and distribution cultures; role of the audiovisual sector in cultural and creative industries; transmedia and convergence in the media system; theoretical and historical aspects of audiovisual media, from both a diachronic and synchronic perspective.</p> |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |

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| Research | <p>For the purposes of assessing research activities, qualitative standards will focus on the following aspects:</p> <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | <p>Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes.</p> |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on clear and explicit indications (number of pages, paragraphs and/or chapters) in each collaborative work. <p>The Committee will not use bibliometric indicators.</p> |
| | <p>Service, institutional, organisational and third mission activities</p> |
| Service, institutional, organisational and third mission activities | <p>For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed.</p> |



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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1551/R22
COMPETITION SECTOR: 11/C4 - AESTHETICS AND PHILOSOPHY OF LANGUAGE
SUBJECT GROUP: M-FIL/05 - PHILOSOPHY AND THEORY OF LANGUAGE
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: The successful candidate will be required to teach the various theories and methods of semiotics, alongside course units focussing on the semiotic analysis of the media and phenomena of contemporary society. For instance, the successful candidate will be responsible for teaching media semiotics, culture semiotics and semiotics of social sciences and/or, more specifically, course units focussing on semiotics of television and TV series, semiotics of journalistic texts (of all genres and formats), semiotics of advertising, of memory, conflict, pop culture, youth languages, as well as course units focussing on visual communication, having regard in particular to interdisciplinary exchanges. Scientific activity: Consistently with the main lines of research of the DAR, the successful candidate will research the following main areas: audiovisual semiotics, semiotics of television, semiotics of journalistic texts, relationship between documentary texts, functional texts and post-truth, cultural studies, pop culture, analysis of visual culture, youth cultures and subcultures, conflict culture, analysis of transmedia and cross-media, cultural memory and post-memory. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: |

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| | <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on clear and explicit indications (number of pages, paragraphs and/or chapters) in each collaborative work. <p>The Committee will not use bibliometric indicators.</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



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DAR - DEPARTMENT OF THE ARTS
REF. O18C1II2022/1548/R22
COMPETITION SECTOR: 11/A3 - CONTEMPORARY HISTORY
SUBJECT GROUP: M-STO/04 - CONTEMPORARY HISTORY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | <p>Teaching activity: The successful candidate will be required to teach contemporary political history from the 19th century to date, with particular reference, in line with the degree programmes of the Department of the Arts, to the history of political communication and the relationship between political leadership and the media. In addition to a contemporary history institutional course unit, the successful candidate will be responsible, for instance, for teaching history of political communication, history of the interaction between the political sphere and mass media for the purpose of building consent in the contemporary era, and the relationship between history and the media.</p> <p>Scientific activity: Consistently with the main lines of research of the Department of the Arts, the successful candidate will research the following main areas: contemporary political history; comparative political history, history of political communication, political history of Italian and international television; building political leadership through the media; history of election campaigns; history of the relationship between sport and politics; history of media representations of sport.</p> |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or |

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| | <p>participation therein, and other research activities such as direction of, or participation in, editorial boards of journals;</p> <p>b) receipt of national and international awards and recognitions for research;</p> <p>c) participation as a speaker at congresses and conferences of international interest.</p> |
| Overall scientific production | <p>Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes.</p> |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <p>a) originality, innovative nature, methodological rigour and importance of each publication;</p> <p>b) consistency of each publication;</p> <p>c) scientific importance of the journal in which each publication appears and its readership within the scientific community;</p> <p>d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on clear and explicit indications (number of pages, paragraphs and/or chapters) in each collaborative work.</p> <p>The Committee will not use bibliometric indicators.</p> |
| | <p>Service, institutional, organisational and third mission activities</p> |
| Service, institutional, organisational and third mission activities | <p>For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed.</p> |



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**DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"**
REF. O18C11I2022/1552/R22
COMPETITION SECTOR: 09/E2 - ELECTRICAL ENERGY ENGINEERING
SUBJECT GROUP: ING-IND/32 - CONVERTERS, MACHINES AND ELECTRIC CONTROLS
Posts: 1 **Place of employment: Bologna**
Teaching test provided.
Seminar provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: The teaching activity will focus on the specific course units of the ING-IND/32 subject group, with particular reference to the area of electric controls and electric propulsion systems, both basic and advanced, for first-cycle and second-cycle degree programmes. Scientific activity: Research will cover the areas of interest of the ING-IND/32 subject group and focus on the area of electric controls, power electronics converters and energy storage systems and their applications in the electric traction field. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| | Teaching test |
| Format of the test | The teaching test will be carried out in Italian. The teaching test will be carried out online. For further information, see the Call for Applications article about the Teaching test. |
| | Seminar at the Department |
| Format of the seminar at the Department | The seminar will be held in Italian. The seminar will be held in person. |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such |

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| | <p>as direction of, or participation in, editorial boards of journals;</p> <p>b) ownership of patents;</p> <p>c) receipt of national and international awards and recognitions for research activities.</p> |
| Overall scientific production | <p>Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes.</p> |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <p>a) originality, innovative nature, methodological rigour and importance of each publication;</p> <p>b) consistency of each publication;</p> <p>c) scientific importance of the journal in which each publication appears and its readership within the scientific community;</p> <p>d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which, unless otherwise stated by all the authors, will be deemed to be equal for all of them.</p> <p>The Committee will not use bibliometric indicators.</p> |
| | <p>Service, institutional, organisational and third mission activities</p> |
| Service, institutional, organisational and third mission activities | <p>For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed.</p> |



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**DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
“GUGLIELMO MARCONI”**
REF. O18C1II2022/1553/R22
COMPETITION SECTOR: 09/F1 - ELECTROMAGNETIC FIELDS
SUBJECT GROUP: ING-INF/02 - ELECTROMAGNETIC FIELDS
Posts: 1 **Place of employment: Cesena**
Teaching test provided.
Seminar provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: Course units in both Italian and English for the first-cycle and second-cycle Electrical Energy Engineering degree programme, with reference to the ING-INF/02 subject group and as needed to cover the programme catalogue of the Department. Scientific activity: Research will cover the areas of interest of the ING-INF/02 subject group on theoretical, modelling and experimental aspects of systems and circuits for the generation, detection and propagation of electromagnetic waves in natural and artificial environments, with reference to the specific activities carried out by the Department. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 15 |
| | Teaching test |
| Format of the test | The teaching test may be carried out in Italian or English depending on the candidate's preference. The teaching test will be carried out in person. For further information, see the Call for Applications article about the Teaching test. |
| | Seminar at the Department |
| Format of the seminar at the Department | The seminar will be held in Italian. The seminar will be held in person. |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |

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| Research | <p>For the purposes of assessing research activities, qualitative standards will focus on the following aspects:</p> <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research activities. |
| Overall scientific production | <p>Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes.</p> |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment, solely with reference to any publications deemed relevant to the ING-INF/02 subject group: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the preceding parameters in order to assess the impact of the candidate's scientific productivity (Hirsch index, Stanford Composite index, or equivalent index).</p> |
| | <p>Service, institutional, organisational and third mission activities</p> |
| Service, institutional, organisational and third mission activities | <p>For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed.</p> |



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DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
“GUGLIELMO MARCONI”
REF. O18C1II2022/1554/R22
COMPETITION SECTOR: 09/G2 - BIOENGINEERING
SUBJECT GROUP: ING-INF/06 - ELECTRONIC AND COMPUTER BIOENGINEERING
Posts: 1 **Place of employment: Cesena**
Teaching test provided.
Seminar provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: 350 hours of supplementary teaching and student support activities, including 120 hours of lecturing on course units within the ING-INF/06 subject group for the first-cycle and second-cycle Biomedical Engineering degree programme (in Italian and in English). Coordination and guidance on the institutional needs of the Department and the related degree programmes. Teaching activity for PhD programmes on biomedical engineering-related topics. Scientific activity: Scientific research in one of the areas of the ING-INF/06 subject group. In particular, the areas covered may include the study of complex physiological systems through innovative mathematical models, signal and data processing in the field of medicine and biology, bioimage processing for clinical and diagnostic purposes, movement analysis and rehabilitation engineering, design of biomedical tools, cellular and molecular bioengineering, artificial intelligence applied to physiology and medicine, computational neuroscience, digital health. Coordination of research groups both within the Department and in relation to national and international research. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 16 |
| | Teaching test |
| Format of the test | The teaching test may be carried out in Italian or English depending on the candidate's preference. The teaching test will be carried out online. For further information, see the Call for Applications article about the Teaching test. |
| | Seminar at the Department |
| Format of the seminar at the Department | The seminar will be held in Italian. The seminar will be held in person. |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with |

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| | particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research activities. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria: <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined by the Committee based on any co-authors' statements and on the consistency of the publication with the other scientific activity of the candidate. The Committee will also consider the number of authors and the position of the candidate's name in the list of authors (first author, second author or last author). <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the</p> |



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| | preceding parameters in order to assess the impact of the candidate's scientific productivity (Hirsch or similar index). |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



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**DEI - DEPARTMENT OF ELECTRICAL, ELECTRONIC AND INFORMATION ENGINEERING
"GUGLIELMO MARCONI"**
REF. O18C1II2022/1555/R22
COMPETITION SECTOR: 01/A6 - OPERATIONAL RESEARCH
SUBJECT GROUP: MAT/09 - OPERATIONAL RESEARCH
Posts: 1 **Place of employment: Bologna**
Teaching test provided.
Seminar provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: The teaching activity will focus on the specific course units of the MAT/09 subject group, in accordance with the national regulations for full professors, in first-cycle (basic) and second-cycle (specialist) degree programmes. Having regard to the latter, specific teaching activity will be provided, covering the methods used in solving combinatorial optimisation problems. Scientific activity: Research will cover the areas of interest of the MAT/09 subject group and focus on theoretical, modelling and computational aspects of combinatorial optimisation, with reference in particular to problems arising from applications in healthcare, transportation, telecommunications and logistics. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 25 |
| | Teaching test |
| Format of the test | The teaching test will be carried out in Italian. The teaching test will be carried out online. For further information, see the Call for Applications article about the Teaching test. |
| | Seminar at the Department |
| Format of the seminar at the Department | The seminar will be held in Italian. The seminar will be held in person. |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: |

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| | <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research; d) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined as is customary for the 01/A6 competition sector (e.g. based on the alphabetical order of the authors), unless otherwise documented. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the preceding parameters in order to assess the impact of the candidate's scientific productivity (Hirsch or similar index).</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |
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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1558/R22
COMPETITION SECTOR: 02/A2 - THEORETICAL PHYSICS OF FUNDAMENTAL INTERACTIONS
SUBJECT GROUP: FIS/02 - THEORETICAL PHYSICS MATHEMATICAL MODELS AND METHODS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: Teach specialist course units in theoretical physics for second-cycle degree programmes and in physics for first-cycle degree programmes, requiring knowledge and skills in the FIS/02 subject group. Scientific activity: Carry out original, innovative and high-quality research on theoretical physics of fundamental interactions. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when |

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| | work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on the general analysis of the scientific production and activity of the candidate in question. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the preceding parameters in order to assess the impact of the candidate's scientific productivity (Hirsch or similar index).</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1556/R22
COMPETITION SECTOR: 02/C1 - ASTRONOMY, ASTROPHYSICS, EARTH AND PLANETARY PHYSICS
SUBJECT GROUP: FIS/05 - ASTRONOMY AND ASTROPHYSICS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | <p>Teaching activity: The professor will be required to teach astronomy, astrophysics and fundamental physics course units in Astronomy degree programmes and in the second-cycle Astrophysics and Cosmology degree programme (in English) and/or other astronomy, astrophysics and fundamental physics course units in other degree programmes of the University of Bologna.</p> <p>Scientific activity: The professor's research will cover the FIS/05 Astronomy and Astrophysics subject group.</p> |
| Number of publications to be assessed | 15 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves |

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| | established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on the order and number of authors and/or on any other useful information contained in the publication and/or provided by the candidate. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) average number of citations per publication; 3) total impact factor; 4) average impact factor per publication; 5) combination of the preceding parameters in order to assess the impact of the candidate's scientific productivity (Hirsch or similar index).</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



ALMA MATER STUDIORUM
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DIFA - DEPARTMENT OF PHYSICS AND ASTRONOMY
REF. O18C1II2022/1557/R22
COMPETITION SECTOR: 02/D1 - APPLIED PHYSICS, DIDACTICS AND HISTORY OF PHYSICS
SUBJECT GROUP: FIS/08 - DIDACTICS AND HISTORY OF PHYSICS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | <p>Teaching activity: Teaching at the DIFA in the second-cycle Physics degree programme (in English) – Didactics and History of Physics curriculum (FIS/08). Teaching for initial training and lifelong learning of mathematics and physics teachers in secondary school.</p> <p>Scientific activity: Research on models of educational reconstruction in an interdisciplinary perspective; design of materials on STEM topics (e.g. climate change, quantum computers, etc.); interdisciplinarity in STEM education; learning models and conceptual change in physics; the role of history and epistemology in teaching physics; identity and inclusion; initial training and lifelong learning of teachers.</p> |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | <p>For the purposes of assessing research activities, qualitative standards will focus on the following aspects:</p> <ul style="list-style-type: none"> a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |

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| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria: a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined by giving greater consideration to the candidate's position in the list of authors (first, last or corresponding author). The candidate's non-leading position will be considered in light of the total number of authors. The Committee will not use bibliometric indicators. |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



ALMA MATER STUDIORUM
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DIMEC - DEPARTMENT OF MEDICAL AND SURGICAL SCIENCES
REF. O18C1II2022/1560/R22
COMPETITION SECTOR: 05/H2 - HISTOLOGY
SUBJECT GROUP: BIO/17 - HISTOLOGY
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: 120 hours to cover the teaching needs of the Medicine and Surgery degree programme, in English. Scientific activity: In the area of molecular histology, with particular reference to the epidermal growth factor receptor (EGFR)-mediated signal transduction and its attenuation under physiological and pathological conditions, with special regard to applications for circadian regulation and targeted therapy response. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 15 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) ownership of patents; c) receipt of national and international awards and recognitions for research; d) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when |

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| | work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined by giving greater consideration to the publications in which the candidate is the first name, last name or corresponding author. <p>The Committee will also make use of one or more of the following bibliometric indicators, referring to the start date of the assessment: 1) total number of citations; 2) total impact factor; 3) average impact factor per publication.</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |



ALMA MATER STUDIORUM
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DISI - DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
REF. O18C1II2022/1561/R22
COMPETITION SECTOR: 01/A5 - NUMERICAL ANALYSIS
SUBJECT GROUP: MAT/08 - NUMERICAL ANALYSIS
Posts: 1 **Place of employment: Bologna**
Teaching test not provided.
Seminar not provided.

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| Specific functions (type of teaching and scientific activity that the successful candidate will be required to carry out) | Teaching activity: Course units of the MAT/08 subject group, in accordance with the national regulations for full professors and as needed to cover the programme catalogue, giving priority to the needs of the campus indicated in the call for applications. Scientific activity: Topics of the MAT/08 subject group, in accordance with the requirements of the declaration and of specific activities carried out at the campus indicated in the call for applications. |
| Language skills in addition to Italian, if any | English |
| Number of publications to be assessed | 12 |
| Assessment standards | |
| | Teaching activities |
| Lecturing | For the purposes of assessing prior teaching experience, consideration will be given to its volume and continuity, with particular reference to teaching activities carried out in the last 10 years. |
| Supplementary teaching and student support activities | For the purposes of assessing supplementary teaching and student support activities, consideration will be given to activities such as supervision of first-cycle and second-cycle degree dissertations and PhD theses, the conduct of seminars, practical work and tutoring of students. |
| | Research and scientific publications |
| Research | For the purposes of assessing research activities, qualitative standards will focus on the following aspects: a) organisation, management and coordination of national and international research centres or groups, or participation therein, and other research activities such as direction of, or participation in, editorial boards of journals; b) receipt of national and international awards and recognitions for research; c) participation as a speaker at congresses and conferences of international interest. |
| Overall scientific production | Consideration will be given to the overall weight of the candidate's scientific production and its intensity and continuity over time, excluding any adequately documented periods when |

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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
AREA DEL PERSONALE

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| | work was suspended and other mandatory or long-term leaves established by current laws, other than those allowed for study purposes. |
| Scientific publications submitted for assessment | <p>The scientific publications submitted for detailed assessment will be assessed with reference to the following criteria:</p> <ul style="list-style-type: none"> a) originality, innovative nature, methodological rigour and importance of each publication; b) consistency of each publication; c) scientific importance of the journal in which each publication appears and its readership within the scientific community; d) analytical assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate to collaborative works, which will be determined based on its consistency with the other scientific activity. <p>The Committee will not use bibliometric indicators.</p> |
| | Service, institutional, organisational and third mission activities |
| Service, institutional, organisational and third mission activities | For the purposes of assessing service, institutional, organisational and third mission activities at Universities and private and public research institutions, to the extent relevant to the role, consideration will be given to their volume, duration and continuity, as well as to the level of responsibility of the functions performed. |