UNIVERSITÀ POLITECNICA DELLE MARCHE

AREA RISORSE UMANE E SERVIZI INFORMATIVI
SERVIZIO PERSONALE DOCENTE E DI RICERCA
Resp. Salvatore Diano
UFFICIO CONCORSI PERSONALE DOCENTE E DI RICERCA
Resp. Lorella Piccioni

Chancellor's Decree

Classification VII/1

ANNEX C

Department of Information Engineering

<u>1 RTT post</u>

Required qualification:	PhD within the academic discipline specified in the call or equivalent title
Academic recruitment field:	09/F2 - Telecommunications
Academic discipline:	ING-INF/03 - Telecommunications
Foreign language:	English
Maximum number of publications to be submitted:	12

- **Specific duties of the researcher**:

The researcher will be required to conduct research activities on topics of interest to the Department within the typical themes of the relevant academic discipline. Specifically, they will focus on aspects related to the reliability and security of transmissions, with particular attention to error correction coding, post-quantum cryptography, and physical-level security. Teaching duties will involve systems and techniques for reliable and secure digital communications.

UNIVERSITÀ POLITECNICA DELLE MARCHE

Department of Information Engineering

<u>1 RTT post</u>

Required qualification:	PhD within the academic discipline specified in the call or equivalent title
Academic recruitment field:	09/G2 - Bioengineering
Academic discipline:	ING-INF/06 - Electronic and Informatics Bioengineering
Foreign language:	English
Maximum number of publications to be submitted:	12

- **Specific duties of the researcher**:

The researcher will be required to carry out research activities on topics of interest to the Department within the typical themes of the relevant academic discipline. Specifically, they will be involved in aspects related to the processing, interpretation, and clinical classification of signals and biomedical images, with a particular focus on those related to the cardiovascular system. The techniques used will include both traditional methods (typical of digital signal/image processing and statistical analysis) and those based on artificial intelligence. Teaching duties will encompass statistics and artificial intelligence applied to biomedical engineering.

Department of Information Engineering

<u>1 RTT post</u>

Required qualification:	PhD within the academic discipline specified in the call or equivalent title
Academic recruitment field:	09/H1 - Information Processing Systems
Academic discipline:	ING-INF/05 - Information Processing Systems
Foreign language:	English
Maximum number of publications to be submitted:	18

- **Specific duties of the researcher**:

The researcher will be required to carry out research activities in the field of Information Processing Systems, with a particular focus on Network Analysis techniques applied to the context of Social Networks, the Internet of Things, Blockchain, and Deep Learning (with specific reference to Explainability of Artificial Intelligence - XAI). The researcher will also be responsible for teaching activities in the disciplines related to the academic discipline ING-INF/05.

Ancona, *dated as per protocol*

THE CHANCELLOR
Prof. Gian Luca Gregori

*Digitally signed document
in accordance with Legislative Decree 82/2005 subsequent
modifications and amendments.*