

Model 1 – PROFILE

a comparative assessment procedure by qualifications and public discussion for the recruitment of one **Researcher with fixed-term employment is hereby announced pursuant to art. 24 paragraph 3 letter b) of the Italian Law 240/2010 (SENIOR)** with full-time commitment, SSD ICAR/09 STRUCTURAL ENGINEERING- S.C. 08/B3 STRUCTURAL ENGINEERING; **activated for the needs of study and research of the** Dipartimento di INGEGNERIA E GEOLOGIA

- **date of the resolution of the Department** which identified ssd and s.c.(competitive exam sector) for fixed-term full time researcher under art. 24 , paragraph 3, letter . b) of Law no .240/2010: cdd del 12/04/2023 prot.27336 of the 14/04/2023;
- **Date of the resolution of the Department** which identified the profile according to art. 4 paragraph 4 of the University Regulations : cdd del 12/04/2023 prot.27336 of the 14/04/2023 + emergency decree prot. N. 42503 of the 21/06/2023;
- **Date of the resolution of the Department** with which, on the basis of the resolutions of the Trade Unions, the weights of the elements (scores) subject to evaluation were resolved: No specific resolutions were adopted; please refer to the ranges identified in the announcement;
- **Academic Recruitment Field:** S.C. 08/B3 – STRUCTURAL ENGINEERING
- **Profile:** S.S.D. ICAR/09 STRUCTURAL ENGINEERING
- **Specific functions required to the research assistant:**
 - Teaching appointments** : Teaching activity within the ICAR/09 SSD for Degree Courses provided by the INGEO Department: Bachelor's Degree Course in Construction Engineering L23 - Fundamentals of Structural Engineering, 6 CFU - Master's Degree Course in Construction Engineering LM24, Structural Design of NZEB buildings, 6 CFU
 - Scientific appointments:** The candidate is demanded to carry out research activities on subjects of interest for the Department of Engineering and Geology, consistently with the declaration of the scientific sector ICAR/09, within the scientific area 08/B3. Furthermore, the candidate will be involved, also with roles of responsibility, in the research projects currently underway in the Department, concerning the risk management of bridges and viaducts, as well as the protection/retrofitting of masonry buildings with high historical and cultural value. In particular, the research activity will be focused on issues related to the protection of cultural heritage (churches and palaces), on the monitoring of existing constructions (bridges and buildings), as well as on their analysis by means of finite element modeling To this end, the candidate will need to have acquired knowledge in the field of linear and nonlinear analyses, in the field of dynamic identification of constructions, in the application of multiscale models for the assessment of risks induced by catastrophic phenomena
- **Rights and obligations:** as envisaged by the current legal provisions on the legal status of university researcher with fixed-term contracts and by the current code of ethics of the University ;
- **Duration:** 36 months non-renewable;
- **Salary** : €44.207,67 (forty-four thousand two hundred and seven, euros(a.l. lender including the thirteenth month installment, with application of the 20% increase equivalent to the salary to the class confirmed permanent researcher increased by 20%. The amount indicated above has been adjusted to the increases referred to in the D.P.C.M. 25/07/2022 published in the Official Gazette – General Series – n. 213 of 09/12/2022 “Adjustment of the economic treatment of non-contracted personnel”);
- **Maximum number of publications:** 12 (twelve).
- **Foreign language whose adequate knowledge will be assessed with reference to the multi-lingual profile of the University, namely the academic teaching needs in foreign language degree courses:** English
- **Mean of assessment of knowledge of the foreign language, or knowledge of Italian for foreign candidates:** colloquium;
- **Funding:** University funds;
- **The specific research activity will focus on the following project:** “Research activity in the ICAR/09 SSD sector.”
- **The scientific production objectives:** 1 paper at the end of the first year, 2 papers at the end of the second year, and 3 papers at the end of the third year, all in peer-reviewed journals indexed on Scopus/Web of Science
- **Mean of assessment of scientific qualification:** through evaluation of qualifications, curricula, scientific production and interview, pursuant to and for the purposes of art. 24 of the law 30/12/2010 n. 240