Form 1 – PROFILE (annex to D.R. inv. no. 515/2019, prot. no. 26665 dated 09/04/2019)

Comparative procedure for the recruitment of one full time researcher with a fixed-term employment contract – in compliance with art. 24, paragraph 3 lett a) L. 240/10 - project for the "Development of advanced technologies and systems for car safety via platform ADAS-ADAS+" S.C. 09/G2 Bioengineering - S.S.D. ING-INF/06 Electronic Bioengineering and Information Technology - at the Department of Neuroscience Imaging and Clinical Science. <u>CUP. N. D96G18000190005</u>

• **Departmental resolution** identifying the disciplinary and competitive scientific sector relating to the position of Researcher with a full-time fixed-term employment contract in compliance with art. 24 par. 3 lett. A) of L. 240/2010 to be announced: cdd dated 18/10/2018 prot. no. 69789 dated 06/11/2018;

• **Departmental resolution** concerning the profile pursuant to art. 4, point 4 of the "Regulations for the recruitment of researchers with fixed-term contracts": cdd dated 18/10/2018 – prot. no. 69789 dated 06/11/2018;

• **Departmental resolution** following the resolutions of the OO.AA., concerning the weights of the elements (percentage weighting) subject to assessment: no specific resolutions have been passes; please refer to the ranges identified in the announcement;

• Assessment Board resolution which, considering the strategic importance for the University for participation in the research activity, was favourable: prot no. 13700 dated 08/03/2019;

- macrosector: 09/G SYSTEMS ENGINEERING AND BIOENGINEERING;
- competition sector: S.C. 09/G2 BIOENGINEERING;

• profile: SSD: ING-INF/06 - ELECTRONIC BIOENGINEERING AND INFORMATION TECHNOLOGY;

- place of service: Department of Neuroscience Imaging and Clinical Science;
- Scientific Manager: Prof. Arcangelo MERLA;
 Specific duties that the researcher is required to perform:
- **teaching commitments:** as part of the three-year and master's scientific study courses relating to the Department of Neuroscience, Imaging and Clinical Science. *The teaching commitments consist of a maximum of 6 credits (CFU) equal to a maximum of 72 hours of frontal lessons;*
- scientific commitments: The research activity, also conducted using optical and infrared imaging techniques, will cover the study, design and implementation of smart algorithms to analyse physiological parameters for monitoring vehicle drivers, as well as the experimental test of the quality of the solutions identified. The scientific commitment, for a maximum of 1500 hours, may include a maximum of 1500 hours of industrial research and a maximum of 1000 hours of experimental development;
- **rights and duties**: as envisaged by the current legal provisions on the legal status of the fixed-term university researcher and by the University's current Code of Ethics;
- duration of the contract: 36 months;
- **remuneration:** total gross taxable income (D.P.R. 232/2011): € 34,898.06, all-inclusive gross annual total: € 48,853.86 (gross of chargers to be paid by the researcher and by the Entity);
- maximum number of publications:12;
- foreign language, the adequate knowledge of which will be assessed in relation to the multilingual profile of the University or the teaching requirements of the study courses in foreign language: English;
- methods of ascertaining the foreign language, i.e. knowledge of the Italian language for foreign candidates: interview;
- **financial cover:** funds to be provided by the rpoject for "*Development of advanced technologies and systems for car safety via platform ADAS* Acronym ADAS+" (Cod. RS01_00459);
- **the specific research activity will be linked to the pursuit of the project for** "Study, design, implementation and verification of smart algorithms for acquisition and analysis of physiological parameters for driver monitoring";
- **researcher's scientific productivity goals over the three years:** publication of: three papers in international journals with referees and the presentation of research results at international conferences;

• **methods of ascertaining the scientific qualification:** via assessment of qualifications, curriculum, scientific production and interview, in compliance with and by the effects of art. 24 of Law no. 240 dated 30/12/2010.