## SURFICE ESR Application Form

# Candidate information

|  |  |
| --- | --- |
| Family name  | First (given) name  |
|   |   |
| Place and date of birth  | Nationality – country of citizenship  |
|  |  |
| Gender information  |
| ❑ Male❑Female | "Gender information is used only to monitor equality and diversity in the application process. Short listing will be based on the merits of the application, without any gender bias. The applicant is free not to answer the question. This will not affect the application process." |
| Current address: street, number, city, postal code, country  |
|   |
| Email address  | Phone number (with country code)  |
|   |   |

# Eligibility information

**International mobility** of researchers: ESRs are required to undertake trans-national mobility (i.e. move from one country to another) when taking up the appointment. At the time of appointment by the host organisation, ESRs must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately prior to their recruitment. Short stays, such as holidays, are not taken into account.

Please complete the following table indicating activities, countries where they were/are being carried out and dates, between June 2018 and June 2021.

|  |  |  |  |
| --- | --- | --- | --- |
| Date from  | Date to  | Country  | Main activity  |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |

# Education and qualifications

|  |  |
| --- | --- |
| Postgraduate studies (MSc or equivalent)  | (Expected) date of the degree  |
|  |   |
| Institution and country  |  |
|   |  |
| Qualification / grades  |  |
|   |  |

|  |  |
| --- | --- |
| Graduate studies (BSc or equivalent)  | Date of the degree  |
|   |   |
| Institution and country  |  |
|   |  |
| Qualification / grades  |  |
|   |  |

# Work experiences

|  |  |  |  |
| --- | --- | --- | --- |
| Date from  | Date to  | Company  | Main activity  |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |
|   |   |   |   |

# Order of preference for ESR projects

Please rank your preferences among the offered ESR profiles. Only the ESR positions in the table below are open to submission at this time.

|  |  |
| --- | --- |
| ESR1: Understanding supercooling effect on wetting and ice adhesion |   |
| ESR2: Development of soft materials with reduced ice adhesion |   |
| ESR3: Solidification of a supercooled water drop after an impact onto anti-icing substrates |   |
| ESR4: Development of two complementary ice adhesion test methods |   |
| ESR5: Investigation of freezing delay and supercooled liquid impalement on metallic nanoengineered surfaces |   |
| ESR6: Study of the deposition of coatings with different wettability, from hydrophobic to hydrophilic, by initiated chemical vapour deposition |   |
| ESR7: Effect of polymer coating chemical topology on ice formation and adhesion on smooth coatings |   |
| ESR8: The mechanisms of icing on a cold solid surface |   |
| ESR9: Optimisation of a hybrid ice protection system based on coating and electromechanical resonant actuators |   |
| ESR10: Development of a coating platform for targeted modular functionalization of large-scale surfaces. |   |
| ESR11: Control of ice nucleation and accretion in ice storage system, and on unglazed thermal solar panels |   |
| ESR12: Development of models for the adhesive and cohesive failure of ice |   |
| ESR13: Polymer coatings for wind sensor systems |   |

In case you are not selected for the positions you indicated above, do you agree to be considered for the other positions within the ITN?

|  |  |
| --- | --- |
| Yes |   |
| No |   |

# Attachments check-list

❑Application form

❑An up-to-date CV, detailing work experience and research and academic achievements

❑A cover letter exposing the candidate motivation for the fellowship

❑At least two reference letters from a (former) supervisor, professor or a manager with contact information.

❑Scanned copy of the degree (usually the master’s degree) which would formally entitle the candidate to embark on a doctorate. If the degree has not been obtained yet, the applicant will have to ensure that the date of graduation will be earlier than the start date of the ESR contract.

❑Transcript of records (applicant’s ranking and marks) for both Bachelor degree and Master degree. In case the applicant has not obtained their Master degree yet, a copy of the most up to-date Master grades should be provided

❑ copy of an identity document.

An English language certificate is desirable.

Any document not originally in English must be provided together with an English translation.

All documents must be submitted as indicated in each Phd position proposal (be e-mail or on the recruitment website of the institution).