

Application for a membership in the *integrated Graduate School Solvation Science (iGSS)* within the research network RESOLV

Please fill in the information below and attach the following documents for a complete application:

- Curriculum Vitae
- Copies of translated certificates and transcripts of records of qualification for higher education/university entrance and all university exams (bachelor's and/or master's/diploma degree)
- Two letters of reference
- Proof or certificate of language proficiency

Please submit your full application as one PDF to the iGSS Office (igss@rub.de).

1. Personal details and academic qualification

Version of application form:	2019-igss_v1
Name of applicant (<i>surname, first name</i>):	
Date of birth (<i>dd/mm/yyyy</i>):	
Nationality:	
Gender:	
Private address of applicant, <i>please indicate your street, house number, postal code, town and country</i> :	
Email address:	
Phone number:	
Current academic status:	
Grade and date of bachelor's degree, <i>if your bachelor's degree was not yet obtained, please indicate here your expected date of graduation and your current grade</i> :	
Institution where bachelor's degree was awarded (<i>name, town, country</i>):	
Explanation of grading system, <i>please indicate the best and the worst possible grade in the grading system used by the university where you obtained your bachelor's degree</i> :	

<p>Grade and date of master's degree (or equivalent), if your master's degree was not yet obtained, please indicate here your expected date of graduation and your current grade:</p>	
<p>Institution where master's degree (or equivalent) was awarded (name, town, country):</p>	
<p>Explanation of grading system, please indicate the best and the worst possible grade in the grading system used by the university where you obtained your master's degree (or equivalent):</p>	
<p>English skills, please indicate the level of proficiency (basics, good, fluent):</p>	
<p>Other language skills, please indicate the language(s) and the level of proficiency (basics, good, fluent):</p>	
<p>(Preferred) RESOLV research area, please refer to the glossary below:</p>	
<p>(Preferred) supervisor(s) from the list of RESOLV PIs/PSs, please refer to the RESOLV homepage:</p>	
<p>(Preferred) second supervisor from the list of RESOLV PIs/PSs, please refer to the RESOLV homepage:</p>	
<p>(Preferred) starting date of doctoral studies:</p>	

2. Letter of Motivation (*up to one page, 1000 characters max.*)

3. **Proposed project** *(to be written by the candidate, please prepare this project outline **together** with your (preferred) first supervisor; up to 0.5 pages, 500 characters max.)*

4. **List of publications**

Date and signature of applicant

5. Glossary:

Titles of research areas:

Research area I: Local solvent fluctuations in heterogeneous systems

I-1: Local thermodynamics and solvent dynamics

I-2: Local polarity, pH and dipolar fluctuations

I-3: Local electrochemistry and solvent-driven electrocatalysis

Research area II: Solvent control of chemical dynamics and reactivity

II-1: Solvation of reactive species

II-2: Solvent control of selectivity

II-3: Establishing new chemical processes utilizing CO₂-based solvent mixtures

II-4: Solvent control of reactivity in bioinspired artificial systems

Research Area III: Solvation under extreme conditions

III-1: Tuning reactions with high pressure

III-2: Cryosolvation and cryochemistry

III-3: Restricted solvation and solvent effects in confined spaces