**Purpose:** Corrosion summer school is intended for PhD students but also for practitioners who want to learn about corrosion and corrosion protection. Lecturers from both academia and industry will present theoretical background and practical experience on selected corrosion issues.

**Organized by:** Faculty of Chemical Engineering and Technology, Faculty of Mechanical Engineering and Naval Architecture at University of Zagreb and Croatian Society for Materials Protection

**Program:**

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<th>Day</th>
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| 1st July  | Corrosion basics and corrosion monitoring | Corrosion basics – electrochemical principles of corrosion, corrosive environments, forms of corrosion  
Corrosion monitoring – applicability, choosing the right technique  
Corrosion management  
Practical work - corrosion rate determination by electrochemical methods |
| 2nd July  | Corrosion inhibitors            | Corrosion inhibitor basics – protection mechanisms, types of corrosion inhibitors, areas of application  
Application of corrosion inhibitors – practical examples and case studies  
Practical work - Determination of inhibitor mechanism and efficiency by polarization and EIS measurements |
| 3rd July  | Cathodic protection             | Cathodic protection basics- general principles of CP operation, cathodic protection criteria, calculations for CP design  
Cathodic protection application – case studies od field measurements  
Practical work- Simulation of coating survey techniques |
| 4th July  | Organic coatings                | Organic coatings basics – principles of corrosion protection, laboratory and field testing methods and recent advancements in coating technology  
Coatings application – QA, QC and case studies of failure analysis  
Practical work – Electrochemical impedance of protective coatings |
| 5th July  | Stainless steel (SS)            | Corrosion of SS- forms of corrosion in different environments  
Application of SS – selection, surface treatment and failure analysis  
Practical work – standardized laboratory and industrial test, passivation of SS and corrosion resistance determination |

**Lecturers:**
**Industry:** Kresimir Kekez (NACE CP3, Icorr Pipeline Coating inspector), Dinko Cudic ( Consultant on corrosion, coatings and linings), Tihomir Borko (Expert in Corrosion Inhibitors)

**Place:** Faculty of Chemical Engineering and Technology, University of Zagreb, Marulićev trg 19, Zagreb Croatia

**Price of the summer school:**
PhD students: 500€ (tax included)  
Other participants: 1500€ (tax included)

**1 day participation:**
PhD students: 100€ (tax included)  
Other participants: 300€ (tax included)

**Important dates:**
Course dates: 01/07/2019 – 05/07/2019  
Deadline for application: 01/06/2019  
Payment due by: 15/06/2019

**Contact:**
e-mail: recorr@fkit.hr  
web page: www.recorr.eu/zagcorr

PhD students who, in three months upon the summer school, submit a report on a given topic will be awarded with **ECTS points** (expected 3 points).