**INTERNSHIP POSITION**

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| **Topic** | **Energy storage in Geopolymer Composites** |
| **Specification/**  **Programme**  (min. 100 words) | The aim of the internship is to delve into issues related to energy accumulation in geopolymer composites through practical experience and research under the supervision of experts in the field of construction materials and materials engineering.  Description:  The internship will focus on research related to the use of geopolymers for energy accumulation, with particular emphasis on their potential as refractory materials. The participant will have the opportunity to work in a laboratory, where they will be involved in sample preparation, conducting experiments, and analyzing results. Additionally, the intern will participate in team discussions and literature reviews on energy accumulation and geopolymer composites.  Tasks:   * Preparation of geopolymer composite samples using various types of geopolymers and additional materials. * Conducting experiments related to energy accumulation, including thermal and mechanical tests. * Analysis of experiment results and preparation of reports with observations and conclusions. * Participation in team meetings, presentation of results, and involvement in discussions regarding future research directions.   Requirements:   * Interest in the topics of construction materials, composites, and energy. * Ability to work in a team and communicate effectively.   Location:  The internship will take place in the Geopolymer Composites Laboratory (FS KMT)  Benefits:   * Opportunity to gain practical experience in scientific research on energy accumulation and geopolymer composites. * Chance to develop laboratory skills and expand knowledge in the field of construction materials. * Possibility to participate in research projects and scientific publications. * Work environment conducive to acquiring new skills and experiences in an interdisciplinary scientific team. |
| **Time period** |  |
| **Length of the traineeship - number of months** | The duration of the internship can be flexibly adjusted, typically ranging from 2 to 6 months, depending on agreements between the participant and the organizing institution. |
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| **Documents required** | CV, Letter of motivation, Transcript of Records |