**INTERNSHIP POSITION**

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| **Topic**  | Determination of the Forming Limit Diagrams (FLD) by using the different methods (cross-section and time dependent ones) |
| **Specification/****Programme**(min. 100 words) | The project is focused on the material limit states in light of the determination Forming Limit Diagrams (FLD). After preparation the relevant geometry of metal sheet samples (both from the deep-drawing materials and high-strength materials), determination of the FLD will be done. Based upon the measured data, there will be used two evaluation methods. The first one will be done acc. to standardized FLD determination using the cross - section methods. The second evaluation method will follow quite modern approach – so-called time-based FLD determination (time dependent methods). Such approach has not been standardized yet and there will be mostly tested the influence of the material deformation behaviour on the position of stable area, onset of necking and instable area. The final results and conclusions will be summarized in the final report and presentation.  |
| **Time period** | November 2024 to December 2024 |
| **Length of the traineeship - number of months** | 1 month |
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| **Administrative Contact** | Marcela Valkova, marcela.valkova@tul.cz  |
| **Documents required** | CV, Letter of motivation, Transcript of Records |