**INTERNSHIP POSITION**

|  |  |
| --- | --- |
| **Topic** | Design of spinning electrode for production of bi-component nanofiber material |
| **Specification/**  **Programme**  (min. 100 words) | The project is focused on the design of the new variant of a spinning electrode for AC electrospinning technology capable of continuous spinning of two polymeric solutions and thus production of bi-component nanofiber material. The task consists of the design–related work carried out in the CAD sw Creo Parametric 7.0 and analysis of electric field in the sw. Ansys Electronics. The part of the project also covers implementing the electrode into the spinning device and experimental verification of the final design. The project results will be summarized in the final report and presentation. |
| **Time period** | September 2023 to October 2023 |
| **Length of the traineeship - number of months** | 2 months |
| **Supervisor´s name and contact** | Jan Valtera  Technical University of Liberec  Faculty of Mechanical Engineering  Department of Textile Machine Design  Studentská 1402/2  46117 Liberec  jan.valtera@tul.cz |
| **Administrative Contact** | Marcela Valkova, [marcela.valkova@tul.cz](mailto:marcela.valkova@tul.cz) |
| **Documents required** | CV, Letter of motivation, Transcript of Records |