ESI Group is a leading innovator in Virtual Prototyping software and services. Specialist in material physics, ESI has developed a unique proficiency in helping industrial manufacturers replace physical prototypes by virtual prototypes, allowing them to virtually manufacture, assemble, test and pre-certify their future products. Coupled with the latest technologies, Virtual Prototyping is now anchored in the wider concept of the Product Performance Lifecycle™, which addresses the operational performance of a product during its entire lifecycle, from launch to disposal.

ESI’s customer base spans nearly every industry sector. The company employs about 1200 high-level specialists worldwide to address the needs of customers in more than 40 countries.

For more information visit http://www.esi-group.com/

YOUR TASKS

As an intern in the Composite Solution Center of Excellence (CoE) you are working in an international team on advanced research and development projects related to the performance modelling of composite materials. This involves:

• Development and evaluation of advanced composite modelling techniques
• Analysis and interpretation of experimental test data
• Preparation of numerical models for characterization and validation purposes
• Programming of automated solutions for the pre- and post-processing of FEM simulations

WHAT WE EXPECT FROM YOU

• Master/Dipl.-Ing. Student (3rd year or higher) for mechanical engineering, ideally with a major in computational mechanics
• Good knowledge of structural mechanics and numerical methods (FEM)
• Basic programming skills, ideally in MATLAB, PYTHON or FORTRAN
• Good English skills (written and oral), French and/or German appreciated

WHAT WE OFFER

• Interesting and challenging tasks in the field of composite material simulation
• International work environment
• Modern office in the city centre of Dresden
• Appropriate compensation

INTERESTED?

Please send your complete application to:
Sebastian.Mueller@esi-group.com

Your contact at ESI:
Dr.-Ing. Sebastian Müller
Composites Solution – Center of Excellence
ESI Software Germany GmbH
Schweriner Str. 1, 01067 Dresden