Product development – R&D internship

[Apply on the website of the company: https://bit.ly/2H3D54a]
[More internships abroad on: www.stampsinternships.com]

**Product development**

- Comprehensive understanding of individual components & materials within the tyre construction, the cause and effect of each on handling, indoor integrity and other performance aspects
- Specialization in the tread area, with full understanding of all features of the tread pattern and their main function and interactions with other levers. In particular the main technical area with high focalization are:
  - Specialization in noise fields, with development of know how in terms of noise source and noise propagation
  - Specialization in aquaplaning
  - Specialization in laceration
  - Specialization in traction and braking vs tread design, both in condition of high and low grip substrates (surfaces)
  - Specialization in footprint / variation of footprint and impact on the aforementioned characteristics
- Develop ability to work with 3D cad and with simulation tools developed
- Development of data analysis appropriate to the field, with a high exposure on models and data coming from simulations
- Ability to define mould profiles & tooling requirements.
- Comprehensive understanding of testing procedures (indoor / outdoor) and active collaborate with testing department
- Interpretation of test results, ability to summarize synthetically and formulate an action plan.
- Understanding of procedures, technical documentation and legal certification required for correct industrialization procedure of tyres.
- Organize benchmarking and analysis of competitors products and highlight interesting or innovative aspects of geometry/materials etc.

**Product application**

- Team working within R&D, Quality, Logistics, OE to ensure correct and precise circulation of project information.
- Organizing outdoor test sessions to follow and understand the interaction between vehicle and tyres under various conditions (handling, comfort, NVH).
- Project management & reporting skills.
**Requirements**

- Good knowledge of CAD, FEA, FEM and Vehicle Dynamics Software
- Good to very good knowledge of common programming languages, such as Matlab and Python;
- Good Knowledge of Office Suite or equivalent
- Team-Working Skills.
- English Fluency (B2-C1);
- German speaking welcome;

[Apply on the website of the company: https://bit.ly/2H3D54a]
[More internships abroad on: www.stampsinternships.com]