

## Internship at Sulzer Applicator Systems - Spring 2018

Sulzer's core is flow control and applicators. The company specializes in pumping solutions, services for rotating equipment, and separation, mixing and application technology. Innovation and research and development play a pivotal role in the sustained success of Sulzer. Our innovative solutions add value and strengthen the competitive position of our customers.



### Automatic Optical Assessment of Mixing Performance

Reducing inhomogeneity and mixing of different material and components is an essential part of many processes in chemical, pharmaceutical, oil and gas, food and general industry. The mixing as a discipline has evolved rapidly over last decades due to advancement in various computational and measurement methods. The current project focuses on improvement of one of the available tools for evaluation of mixing obtained by the predictive methods as well as the real end-applications.

Project tasks include:

- ☐ Evaluate various variables and algorithms
- ☐ Implement selected methods for optical assessment
- ☐ Validate the accuracy and applicability of the method

The student should be highly motivated and have a background in mechanical, electrical or computer engineering. Previous knowledge of image processing, algorithm development and programming is advantageous.

Because life is fluid: [www.sulzer.com](http://www.sulzer.com)

Application including CV and a letter of motivation, please send to: [joachim.schoeck@sulzer.com](mailto:joachim.schoeck@sulzer.com)  
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