

Tamás István Józsa

Tamás earned a mechanical engineering bachelor's degree at [Budapest University of Technology and Economics](#) (BUTE) in 2012. During his master's course at BUTE, he participated in research [on blood flow modelling in abdominal aortic aneurysms](#), which resulted in his first master's degree. Thanks to an [Erasmus Scholarship](#) he completed the computational fluid dynamics master's course at [Cranfield University](#). His work on an [in-house lattice Boltzmann solver](#) led to a second master's degree.

In 2014 he was awarded a grant, co-funded by [AkzoNobel's Marine Coating Business, International Paint Ltd.](#), and the [Energy Technology Partnership \(ETP\)](#), which enabled him to start a PhD at the [University of Edinburgh](#). The aim of [his project](#) was to investigate the turbulent skin friction reduction potential of compliant coatings using high-fidelity computational fluid dynamics. Resource intensive simulations were carried out on [ARCHER](#), the UK's national supercomputing facility.

After completing his PhD in 2018, Tamás joined the [Cerebral Haemodynamics Group](#) led by [Professor Stephen Payne](#) at the [University of Oxford](#). He contributes to the [INSIST project](#) by developing an in silico model of tissue death and survival (WP5).

Keywords

cerebral blood flow - haemodynamics - mathematical modelling