



prof. k. baršausko
ultragarso mokslo
institutas

Biography of Aadhik Asokkumar

Position: ESR4 – NDTonAIR

Host institution: Kaunas University of Technology

My name is Aadhik Asokkumar and I am one of the Early Stage Researchers (ESR) in NDTonAIR project - [Training Network in Non-Destructive Testing and Structural Health Monitoring of Aircraft structures](#). I am born on 12th September 1994 and did most of my studies in India. I pursued my Bachelor studies (2012 - 2016) in Mechanical engineering in [Dr. N.G.P Institute of Technology](#), Coimbatore, India. The studies involved learning core concepts of mechanical engineering and during 3rd year, I was happy to participate in [Go Kart Design Challenge 2016](#) which as a team member gave me an excellent opportunity to learn the hardship when fabricating and assembling a vehicle. During my final year of the Bachelor's, I was motivated to do a project regarding recycling of plastics in the topic "*Synthesis of fuel from waste plastic*".

During my last semester of bachelor's, I came across Non-Destructive Testing (NDT) as a part of a module. I found it interesting and I have been motivated to pursue my further studies in [Dresden International University](#), Dresden, Germany being one the few universities offering Masters programme in NDT research. During the first year, I had about the main NDT techniques in theory and had opportunity to visit BAM, Berlin and Fraunhofer IKTS, Dresden for some exposure of the applications of NDT techniques.

Among all the NDT techniques, I became interested in NDT using Ultrasonics. Hence as a part of my master's course, I had moved to the [Chair of NDT \(LZFPQ\), Saarbrücken, Germany](#) and completed my internship and master's thesis under the supervision of Prof. Christian Boller and Dr. Ramanan Sridaran Venkat. The research was using guided Lamb waves phenomenon with the topic titled "*Simulation Based Key Performance Indicator Determination in Guided Wave Monitored Metallic Patched Repairs*". Until October 2019, I was working in the LZFPQ as a research assistant and have published 3 articles so far which can found in my [researchgate profile](#).

Since November 2019, I have moved to Kaunas, Lithuania to work as ESR on the project NDTonAIR in KTU. I am working on the topic "Guided-wave inspection of aerospace components using contactless measurements" and I am hoping to provide good results based on my skills and knowledge in the field of NDT using ultrasonics.