



CERTIFICATE *of* ACHIEVEMENT



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

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This is to certify that

Alexander Astanin

successfully completed and received a passing grade in

**HYPERS301x: Hypersonics - from Shock Waves to
Scramjets**

a course of study offered by UQx, an online learning
initiative of The University of Queensland, Australia through edX.

VERIFIED CERTIFICATE
Issued June 11th, 2014

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