



# CALL FOR APPLICATIONS:

## PH. D. SCHOLARSHIP FOR COMPUTER AND INFORMATION SCIENCE

Academic year 2018/19



**gorenje**group



AT THE PARENT COMPANY GORENJE, D.D., WE ARE PLEASED TO ANNOUNCE A CALL FOR APPLICATIONS FOR A PH. D. SCHOLARSHIP FOR COMPUTER AND INFORMATION SCIENCE FOR THE FOLLOWING TOPIC:

**“ARTIFICIAL INTELLIGENCE DRIVEN TEST AUTOMATION OF EMBEDDED SOFTWARE”.**

The topic of the call implies to the field of electronics development, where we are increasingly dealing with challenges in the field of embedded software testing. As they are getting progressively more and more complex, testing is taking more and more time. We expect the complexity to increase in the future, therefore it is crucial for us to automate the testing process.



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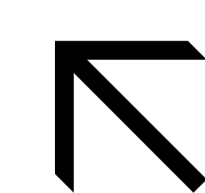
Gorenje Group is one of the leading European manufacturers of domestic products. With our technologically supreme, expertly designed and energy-efficient household appliances we are present almost all around the globe: the domestic appliances of the global brands Gorenje and Asko and six local brands are being used by several millions of satisfied customers in 90 countries of the world, mostly in Europe but also in the USA, Australia, as well as the Middle and Far East.

To make tests as efficient as possible in the future, we are planning to upgrade the current testing process in a way, that set of tests that are currently defined by a testing engineer will be in future automatically generated by a computer. The testing process will take place in such a way that a computer will generate a set of tests that simulate expected actions from the user, as well as tests that investigate border cases, i.e. operation in case of defects of any of the components of the appliance.

In the future we are planning to upgrade the test system in such a way, that the range of tests will be upgraded automatically, depending on the defects discovered, which will ensure continuous improvement of the testing process and the final quality of the built-in software.

Applications will be accepted until the topic is taken or by 31st August 2018 at the latest.

**APPLY!**



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