

# REVIEW

For the competition for an Associate Professor in  
4.5 Mathematical Analysis  
to FMI-SU.

**Candidate:** Chief Assistant Nikolay Antonov Ivanov,  
PhD

**Reviewer:** Milen Nikolaev Ivanov, PhD

Dr Ivanov was born on October 15, 1977. He graduated with honors from FMI in 2001. In 2007 get a PhD from Texas A&M University. The title of his PhD Thesys is "On the structure of some free products of  $C^*$ -algebras". He worked under the supervision of Prof. Dykema.

Dr Ivanov had several scientific visits like post-docs etc.

He worked in Tarnovo University from 2009 until 2016 and since then he is in the department of Mathematical Analysis of FMI.

The set of documents submitted for the competition is complete and meets all requirements.

Dr Ivanov's scientific interests are in one of the most classical branches of Functional Analysis,  $C^*$ -algebras. It originates from the spectral theory of operators, inspired by quantum theory, and founded - probably - by von Neumann himself. For the last century, it has developed profoundly. Beautiful and - especially in its modern version - extremely difficult mathematics! This is the kind of field that many get bogged down in without writing a single article! Against this background, Dr Ivanov is extremely successful.

I personally found it very interesting to touch on his research at the seminars of the MA department and after a few years to start warming up a few millimeters of what it was all about.

Dr Ivanov's scientific contributions expressed in articles are profound and also appreciated with publications in prestigious journals.

**They meet all the quantitative requirements of the regulations for the position of associate professor!**

All in all Dr Ivanov could have easily become an associate professor few years ago. He is very valuable to FMI as a scientist and teacher.

**I strongly recommend that the scientific jury should prepare a report-proposal to the Faculty Council of the Faculty of Mathematics and Informatics of the Sofia University to grant ch. assistant professor Nikolay Antonov Ivanov, PhD the academic position "Associate professor" of the Sofia University "St. Kliment Ohridski" in Scientific field 4. Natural sciences, Mathematics and Informatics, Professional direction 4.5. Mathematics (Mathematical analysis).**

11.08.2022

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(M. Ivanov)