English translation of the PhD certificate of October 2nd, 2012

The Faculty of Science

awards

Mr

Mathew George

born August 22nd 1977 in Kanjirappally, India

the academic degree

Doctor of natural science

(Dr. rer. nat.).

In an orderly graduation procedure, Mr. George has evidenced his scientific qualification in the subject of Physics through his doctoral dissertation and the oral examination and has completed the degree with the mark

"very good".

The title of the doctoral dissertation is:

Ti:Tm:LiNbO₃ Waveguide Amplifiers and Lasers

Paderborn, October 2nd 2012

The President Professor Dr. Nikolaus Risch

The Dean Professor Dr. Torsten Meier

End of translation

Note

According to §§ 16, 19 of the doctoral degree regulation of the Faculty of Science, dated December 10th, 2004, the following overall marks may be awarded: "excellent", "very good", "good", "satisfactory", and "not satisfactory". The overall mark "excellent" may only be awarded when all assessors have rated the dissertation as "very good" and the oral examination was additionally unanimously rated as "very good".