

# Kaustubh Hakim

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## PERSONAL INFORMATION

Science Park 904  
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The Netherlands

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## EDUCATION

**University of Amsterdam**, The Netherlands Sep. 2014–present

**Ph.D.** *Astrophysics*

**Supervisors:** Prof. Carsten Dominik, *University of Amsterdam*  
and Prof. Wim van Westrenen, *VU University Amsterdam*

**Thesis:** High-pressure experiments to study the formation and structure of rocky exoplanets

**KU Leuven**, Belgium Sep. 2012–July 2014

**M.Sc.** (magna cum laude), *Astronomy and Astrophysics*

**Supervisor:** Prof. Tim Van Hoolst, *KU Leuven / Royal Observatory Brussels (ROB)*

**Thesis:** The interior structure of super-Earths

**Indian Institute of Technology Kharagpur**, India Aug. 2006–July 2010

**B.Tech.** (Honours), *Electronics and Electrical Communication Engineering*

**Supervisor:** Prof. Raja Datta, *IIT Kharagpur*

**Thesis:** Performance Evaluation of s-MAC protocol for Wireless Sensor Networks (WSN)

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## RESEARCH EXPERIENCE

**Nicolaus Copernicus Astronomical Center**, Warsaw, Poland

*Supervisor:* Dr. Alexis Smith

July 2014–Aug. 2014

Data reduction pipeline of **Canada-France-Hawaii-Telescope** for **SuperWASP** exoplanets

**Mercator Telescope**, Roques de las Mouchachos Observatory, La Palma, Spain

*Supervisors:* Prof. Hans van Winckel, Dr. Andrew Tkachenko

Oct. 2013–Dec. 2013

Spectroscopic study of three *Kepler* planet candidates

**Belgian Institute for Space Aeronomy (BIRA)**, Brussels, Belgium

*Supervisor:* Dr. Johan de Keyser

Mar. 2013–June 2013

Study of Earth's magnetopause based on the data from *Ampere/IRM* and *Cluster* spacecrafts

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## CONFERENCES

**Hakim, K.**; van Westrenen, W.; Dominik, C., **High-pressure experiments to probe the interior of rocky exoplanets**, 2015, the 70th *Dutch Astronomy Conference*, Nunspeet, The Netherlands (20-22 May 2015).

**Hakim, K.**; van Westrenen, W.; Dominik, C., **High-pressure experiments to probe the interior of carbide exoplanets**, 2015, *Exoplanets in Lund*, Lund, Sweden (6-8 May 2015).

Van Hoolst, T.; Rivoldini, A.; **Hakim, K.**; Jaeken, J.; Cottenier, S., **High-pressure equations of state for iron and the interior structure of super-Earths**, 2014, *European Planetary Science Congress*, Cascais, Portugal (7-12 September 2014).

**Hakim, K.**; Van Hoolst, T.; Rivoldini, A.; Cottenier, S., **The interior structure of super-Earths**, 2014, the 69th *Dutch Astronomy Conference*, Noordwijk, The Netherlands (19-21 May 2014).

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## WORKSHOPS

45th Saas-Fee course on **From Protoplanetary Disks to Planet Formation**, Swiss Society for Astrophysics and Astronomy (SSAA), Les Diablerets, Switzerland (15-20 March 2015).

Nederlandse Onderzoekschool voor de Astronomie (**NOVA**) **Fall School in Astronomy**, Dwingeloo, The Netherlands (6-10 October 2014).