

PERSONAL INFORMATION	<p><i>Male</i>, November 22, 1988 hakim.kaustubh@gmail.com http://www.exokaustubh.com</p>	<p>Science Park 904 1098 XH Amsterdam The Netherlands</p>
EDUCATION	<p>VU University and University of Amsterdam, The Netherlands Sep. 2014–present Ph.D. <i>Astrophysics</i> (expected) Supervisors: Prof. Carsten Dominik, <i>University of Amsterdam</i> and Prof. Wim van Westrenen, <i>VU University Amsterdam</i> Thesis: High-pressure experiments to study the structure and evolution of rocky exoplanets</p> <p>KU Leuven, Belgium Sep. 2012–July 2014 M.Sc. (<i>magna cum laude</i>), <i>Astronomy and Astrophysics</i> Supervisor: Prof. Tim Van Hoolst, <i>KU Leuven / Royal Observatory Brussels (ROB)</i> Thesis: The interior structure of super-Earths</p> <p>Indian Institute of Technology Kharagpur, India Aug. 2006–July 2010 B.Tech. (Honours), <i>Electronics and Electrical Communication Engineering</i> Supervisor: Prof. Raja Datta, <i>IIT Kharagpur</i> Thesis: Performance Evaluation of s-MAC protocol for Wireless Sensor Networks (WSN)</p>	
RESEARCH EXPERIENCE	<p>Nicolaus Copernicus Astronomical Center, Warsaw, Poland <i>Supervisor:</i> Dr. Alexis Smith July 2014–Aug. 2014 Data reduction pipeline of Canada-France-Hawaii-Telescope for SuperWASP exoplanets</p> <p>Mercator Telescope, Roques de las Mouchachos Observatory, La Palma, Spain <i>Supervisors:</i> Prof. Hans van Winckel, Dr. Andrew Tkachenko Oct. 2013–Dec. 2013 Spectroscopic study of three <i>Kepler</i> planet candidates</p> <p>Belgian Institute for Space Aeronomy (BIRA), Brussels, Belgium <i>Supervisor:</i> Dr. Johan de Keyser Mar. 2013–June 2013 Study of Earth's magnetopause based on the data from <i>Ampte/IRM</i> and <i>Cluster</i> spacecrafts</p>	
INDUSTRY EXPERIENCE	<p>Nomura, Mumbai, India – <i>Analyst</i> July 2010–Aug. 2012 Assigned the ownership and maintenance of Risk Engine, a trade monitoring tool for Equities Division of Nomura-Global. Regularly attended business calls with traders to understand their business requirements and provided a user friendly interface with the help of Java, SQL and Shell.</p> <p>IBM, Bangalore, India – <i>Trainee</i> May 2009–July 2009 Developed the MisCompare Analysis Tool (MCAT) for the hardware verification of PowerPC FPU pseudo-random instruction streams using C and Shell. Was offered a Pre-Placement Offer to join IBM after graduation.</p> <p>Omega Electronics, Jaipur, India – <i>Trainee</i> May 2008–July 2008 Drafted a new design for ETB-246, an educational training kit explaining the working of transformers. Did a live video demonstration describing the features of Radio frequency identification (RFID-1015) kit for the Sales division.</p> <p>TATA Power, Mumbai, India – <i>Trainee</i> May 2007–June 2007 Analyzed the calibration process of the transmitters used for pressure and temperature measurement in the two coal-based units of the 1580 MegaWatt thermal power station.</p>	

**CONFERENCE
TALKS**

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).

**CONFERENCE
POSTERS**

Hakim, K.; van Westrenen, W.; Dominik, C., **High-pressure-temperature experiments to probe the interior of small rocky exoplanets**, 2015, *Exploring The Universe With James Webb Space Telescope*, ESA-ESTEC, The Netherlands (12-16 October 2015).

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).

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).

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).

Application of **X-ray metrology for material science research**, University of Twente, Enschede, The Netherlands (1-2 October 2015).