

# Lukas Mayr

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## Personal

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Day of Birth	01/21/1989
Nationality	Austria
Civil status	single

## Education

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10/2013 – 02/2014	<p>visiting researcher at the Birck Nanotechnology Center          Purdue University, West Lafayette , Indiana, USA</p> <p>Training on state-of-the art surface science analysis and the preparation technique          ALD (Atomic layer deposition)</p>
Since 10/2012	<p><b>PhD program</b>          Leopold-Franzens-University, Innsbruck</p> <p>Topic: Catalytic synergism at (bi)metallic and oxidic surfaces          and interfaces in SOFC-relevant reforming processes</p>
10/2008 - 07/2012	<p><b>Diplomstudium Chemistry (same as bachelor plus master program)</b>          Leopold-Franzens-Universität, Innsbruck</p> <p>Main focus: Physical Chemistry (thermodynamics, electrochemistry,          material science), Specialization: catalysis on fuel cell Anode electrodes</p> <p>07/2012 <b>Master thesis:</b> „ H<sub>2</sub>O-activation on model catalyst surfaces for          methane und methanol reforming processes“ (translated from German)          (Supervisor: Prof. Bernhard Klötzer)</p>
10/2007 - 06/2008	<p><b>alternative civil service</b>          Emergency call center of Tirol, Innsbruck</p> <p>At the same time: Start of the <b>Diplomstudium Chemistry</b> program          Leopold-Franzens-Universität, Innsbruck</p>
10/2000 - 07/2007	<p>Natural science <b>grammar school</b>          Bundesrealgymnasium am Adolf-Pichler-Platz, Innsbruck</p> <p>07/2007 <b>graduation</b></p>

## Experience

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10/2009 - 01/2012	teaching assistant in Physical Chemistry I: thermodynamics
02/2009 – 07/2012	teaching assistant in Physical Chemistry II: quantum theory
10/2011 – 02/2012	teaching assistant in Theoretical Chemistry I: simulations
Since 10/2011	in charge of several Ultra high vacuum-chamber s in Innsbruck/Berlin/West Lafayette (USA), operation of instruments for several surface sensitive analysis techniques: XPS, AES, LEIS, STM, LEED, HREELS, AFM and qualitative and quantitative GC-MS.

## Awards

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2009/2010/2011	3x scholarship “Leistungsstipendium” of the University of Innsbruck
06/2013	scholarship “Exzellenzstipendium” of the Corinthian federation of industry
10/2013	2 <sup>nd</sup> price at the innovation contest of the Tyrolean center for start-ups
12/2013	“Eduard-Wallnöfer award” for scientific results for general weal

## Further education

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2006	rhetoric seminar, mediation seminar,
2011	basic education in business and national economics
2012/2013	additional generic expertise: time management, work and social security law
2014	project management

## Additional employment

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08/2008 – 12/2012	flower delivering, Blumen Schmidt, Innsbruck
09/2007	pizza delivering, Pizza Salute, Innsbruck
10/2005 – 11/2009	organization work for the yearly board game fair in Innsbruck
08/2005	attendant in the Tyrolean art museum

## IT-knowledge

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Excellent: MS-/Open Office, Delphi, Igor, CasaXPS

Basic knowledge: C++, Matlab, Origin, Java-Programming, VMD, PyMol, MOL, AutoCad2013

## Languages

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German	main language
English	C1/2
Latin	basic skills

## Personality

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Ambitious, honest, success-oriented, organized