

# Résumé

## Dr. Mateusz Wielopolski, MBA



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\*12 Jun 1981, Katowice  
 German, Polish  
 Married, 3 children

Profile	Mateusz obtained a <b>PhD in Chemistry in 2009</b> at FAU Erlangen. He gathered 7 years of <b>international post-doctoral experience</b> working at <b>ETH, EPFL</b> and <b>EMPA</b> in fields ranging from <b>photovoltaics</b> to <b>natural fiber composites</b> and <b>bio-based/recyclable polymer solutions</b> . He worked as product and business developer for <b>regenerative polymer composite</b> technologies at <b>REHAU AG</b> , and became an expert in <b>circular design methodologies</b> . In 2019 he founded a <b>consulting firm</b> focusing on <b>circular materials innovation</b> and product development with truly circular value chains.
Experience	
<b>2019-present:</b>	Circular Design Expert, Materials Innovator and R&D Project Coordinator, <b>ÆVOLUTION self-employed</b> , Bayreuth <b>Germany</b> Business development, R&D strategies, implementation of circular product concepts, project realization, circular economy advisory. project definition & implementation   technology transfer   circular design   R&D and prototyping   strategic advice & coaching   <i>Regions: EMEA, Australia, Africa, Asia</i>
<b>2016-2019:</b>	R&D Ingenieur Polymer Technologies & Composites, <b>REHAU AG</b> , Bayreuth <b>Germany</b> Commercialization of sustainable composite technologies, business model innovation, market-entry strategies. product development & placement   business planning   market intelligence   customer acquisition   marketing <i>Regions: EMEA, Asia &amp; Asia Pacific, Africa (Ethiopia, Ghana)</i>
<b>2014-2016:</b>	Senior R&D Project Manager at <b>ETH Zürich &amp; EMPA</b> , Zürich <b>Switzerland/Singapore</b> Validation and technology transfer for bio-composite technology for construction and sports applications. material & process development   scale-up   quality assurance   risk management   market analysis   IP strategy <i>Regions: EU, Asia &amp; Asia Pacific</i>
<b>2013-2014:</b>	Scientific R&D Project Manager, <b>Singapore-ETH Center</b> , <b>Singapore</b> Development of a bamboo fiber reinforced composite technology used as concrete reinforcement with REHAU. active R&D   team lead   supply chain management   IP management   patent filing   manufacturing <i>Regions: EU, Asia &amp; Asia Pacific</i>
<b>2011-2013:</b>	Scientific Project Leader, Swiss Federal Institute of Technology ( <b>EPFL</b> ), Lausanne <b>Switzerland</b> Design & characterization of functionalized organic polymers for photovoltaics with the group Michael Grätzel. experimental research   project & team lead   analytics   method development   modern photovoltaics <i>Regions: Spain, UK, Korea, Japan</i>
<b>2009-2011:</b>	Post-Doc Researcher, <b>Cluster of Excellence</b> , Erlangen <b>Germany</b> R&D projects on lossless electron transport through conducting polymers and thin film organic solar cells. analytics   spectroscopy   electrochemistry   optics design   surface chemistry   molecular modelling
<b>2009-2010:</b> <b>(Nov-Mar)</b>	Post-Doc Researcher, <b>TARA Center</b> , Tsukuba <b>Japan</b> Synthesis and analytics photoactive carbon-based semiconductors for solar energy conversion.
<b>2007 (Jul-Sep):</b>	Researcher, <b>Emerging Technologies Research Center</b> , Leicester <b>United Kingdom</b> European Science Foundation Fellow for carbon nanotube research
Education	2020   MBA Sportmanagement (1.3), Uni Bayreuth 2009   Dr. rer. nat. Chemistry (1.0) Uni Erlangen
Languages	German (native)   Polish (native)   English (business fluent)   French (fluent)   Spanish (fluent) Hungarian (conversant)   Japanese (basic knowledge)
Extra-curricular	Innovation workshop on price strategies for sustainable product features, <b>ISPO Digital 2021</b> circular design concepts   sustainable material technologies in sports industry   marketing   customer surveys   green washing Lecturer Sports Technology, <b>University of Bayreuth 2018-2020</b> Sports technology   sustainable product development   material innovation in sports industry   sustainable materials Lean Launch Pad @ Singapore Program, <b>NUS Singapore 2014 (Apr - Jun)</b> Evidence-based entrepreneurship   customer development   agile engineering   business model design 1st Prize CTI Entrepreneurship Business Creation, <b>ZHAW Zurich 2015 (Apr - Jun)</b> Innovation & product development   business intelligence   market analysis   finances & legal
Personal Interests	Active <b>freeskier</b> , <b>wave surfer</b> , <b>trail runner</b> , <b>roadbiker</b> and <b>longboarder</b> . Former <b>swimmer</b> and <b>water-poloist</b> . Passionate <b>musician</b> and former <b>rock group leader</b> .
References	Toni Drescher, KEX AG, toni.drescher@kex-ag.com   Dr. Ahmad Al-Sheyyab, REHAU AG, ahmad.al-sheyyab@rehau.com   Dr. Dragan Griebel, FRÄNKISCHE Rohrwerke, dragan.griebel@fraenkische.com   Dr. Tanja Zimmermann, EMPA, tanja.zimmermann@empa.ch   Prof. Ingo Burgert, ETHZ, iburgert@ethz.ch   Prof. Jacques Moser, EPFL, je.moser@epfl.ch   Prof. Dirk Guldi, FAU, dirk.guldi@fau.de   www.aevolution.tech   www.rehau.com   www.nest.empa.ch   www.fcl.ethz.ch