

Dipl. Ing. Dr. techn. Ljuhar Richard

Curriculum Vitae and List of Publications

Berufserfahrung und Ausbildung		
Von (Jahr)	Bis (Jahr)	
06/2017	aktuell	ImageBiopsy Lab CEO & Co-founder Wien, AT
10/2014	06/2017	Braincon Technologies Director, Research & Development & Product Management - Musculoskeletal Health Products Wien, AT
05/2013	09/2014	Braincon Technologies, Project Manager - SecurePLM Project – using blockchain-like technology to safely store and exchange product development information Vienna, AT
05/2008	04/2013	Hologic, Inc. Women's Health Division International Marketing Manager Boston, USA Beijing, PRC
01/2007	05/2008	Hologic, Inc. Skeletal Health Division Engineering Associate Boston, USA
Ausbildung		
01/2011	05/2017	Technische Universität Wien Fakultät für Maschinenbau Institut für virtuelle Produktentwicklung und Maschinenbauinformatik Dr. techn über: <i>"A Novel Method for safely sharing and storing sensitive Product Development Information"</i> Wien, AT
10/2001	10/2006	Technische Universität Wien Fakultät für Maschinenbau Dipl. Ing. Studiengang: Wirtschaftsingenieurwesen-Maschinenbau Wien, AT

Forschungsinteresse & - schwerpunkte
Information security and virtual product development
Computer-assisted image analysis and interpretation
Artificial intelligence in medical application using machine learning/deep learning
Computer Vision
Medical informatics and diagnostics
Degenerative bone diseases/skeletal diseases

Publikationen und Konferenzbeiträge (letzten 5 Jahre);
Gerhard Detlef, Reinauer Gert, Krumboeck Alexander, Ljuhar Richard, Information Management in Product Development Workflows – A Novel Approach on the basis of Pseudonymization of Product Information, <i>Procedia CIRP, Volume 21, Pages 467-472, Milan 2014</i>

<p>Ljuhar R , Norman B, Canhão H, Branco J, Rodrigues A, Gouveia N, Hladuvka J, Fahrleitner-Pammer A, Dimai HP, A novel method for the assessment of joint space width and subchondral bone texture, <i>ASBMR Annual Meeting</i>, Seattle, USA, 2015</p>
<p>Ljuhar R, Norman B, Ljuhar D, Nehrer S, Riedl M, Hladuvka J, Stiassny F, Wetzl C, Westhauser C, A computer-assisted diagnosis and monitoring of degenerative bone diseases, <i>X ORTOMED Congress - Società Italiana di Ortopedia e Medicina</i>, Florence, Italy, 2015</p>
<p>Ljuhar R, Norman B, Ljuhar D, Haftner T, Hladuvka J, Bui Thi Mai P, Canhão H, Branco J, Rodrigues A, Gouveia N, Nehrer S, Fahrleitner-Pammer A, Dimai HP, A novel feature selection algorithm based on bone micro architecture analysis to identify osteoarthritis, <i>WCO-ICO-ESCO World Congress</i>, Malaga, Spain, 2016</p>
<p>Ljuhar R, Norman B, Ljuhar D, Haftner T, Hladuvka J, Bui Thi Mai P, Canhão H, Branco J, Rodrigues A, Gouveia N, Nehrer S, Fahrleitner-Pammer A, Dimai HP, A clinical study to examine thresholds of joint space width and joint space area for identification of knee osteoarthritis, <i>OARSI World Congress on Osteoarthritis</i>, Amsterdam, Netherlands, 2016</p>
<p>Ljuhar R, Basierend auf Analysen der subchondralen Knochenmikroarchitektur: Ein neuer Algorithmus für die Bewertung von Osteoarthritis, <i>Fakten der Rheumatologie</i>, Februar 2016</p>
<p>Ljuhar R, Norman B, Ljuhar D, Haftner T, Hladuvka J, Bui Thi Mai P, Canhão H, Branco J, Rodrigues A, Gouveia N, Nehrer S, Fahrleitner-Pammer A, Dimai HP, A novel combination of bone micro architecture descriptors and selected ROIs for the identification of osteoarthritis, <i>ASBMR Annual Meeting</i>, Atlanta, USA, 2016</p>
<p>Ljuhar R, Tobias Haftner, Benjamin Norman, Davul Ljuhar, Astrid Fahrleitner-Pammer, Hans-Peter Dimai, Stefan Nehrer, A Novel Method For Identifying Radiographic Baseline Risk Of Osteoarthritis Using An Anisotropy-Based Texture Analysis Algorithm: Data From The Osteoarthritis Initiative, <i>OARSI World Congress on Osteoarthritis</i>, Las Vegas, 2017</p>
<p>Bertalan Z, Ljuhar R, Nehrer S, Norman B, Ljuhar D, Fahrleitner-Pammer A, Dimai HP, Combining fractal- and entropy-based bone texture analysis for the prediction of Osteoarthritis: data from the Multicenter Osteoarthritis study (MOST), <i>ASBMR Annual Meeting</i>, Denver, USA, 2017</p>
<p>Dimai HP, Ljuhar R, Ljuhar D., Kurth A. Nehrer S., Fahrleitner-Pammer A., Assessing the effects of long-term osteoporosis treatment by using conventional spine radiographs: results from a pilot study in a sub-cohort of a large randomized controlled trial, <i>Skeletal Radiology</i>, 2018</p>