

Dipl.-Ing.Dr.techn WASLE Elmar

Angaben zur Person

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| NACHNAME Vorname | WASLE Elmar |
| Akademischer Titel | Dipl.-Ing. Dr.techn. |
| Adresse | Puch 29, 8182 Puch bei Weiz |
| Nationalität | Österreich |
| Geburtsdatum | 27. April 1975 |
| Geburtsort | Innsbruck / Tirol |
| Geschlecht | männlich |
| Muttersprache | Deutsch |
| Andere Sprachen | Englisch (Sprechen: Gut; Verstehen, Lesen, Schreiben: Sehr Gut) |

Schulischer Bildungsgang / Akademischer Werdegang

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|---------------------|--|
| 20.03.95 | Immatrikulation an der Technischen Universität Graz, Studienrichtung Vermessungswesen |
| 20.03.95 – 14.03.01 | TU Graz, Studienrichtung Vermessungswesen |
| 09.01.98 | Ablegung der 1. Diplomprüfung |
| 01.09.98 – 30.06.99 | University of Calgary, Studienrichtung Geomatics Engineering; Auslandsjahr als Undergraduate Student |
| 14.03.01 | Ablegung der 2. Diplomprüfung mit Auszeichnung (akademischer Titel: Dipl.-Ing.) |
| 14.03.01 – 29.06.07 | TU Graz, Doktoratsstudium der technischen Wissenschaften |
| 29.06.07 | Ablegung des Rigorosums mit Auszeichnung (akademischer Titel: Dr.techn.) |

Berufserfahrung

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|---------------------|---|
| seit 2001 | TeleConsult Austria GmbH (vollzeitbeschäftigt); Projektmanager, Systementwickler und Softwareentwickler im Bereich Positionierung und Navigation nationaler und internationaler Forschungs- und Entwicklungsprojekte (Europäische Kommission, Europäische Weltraumbehörde, European GNSS Agency, China) |
| 2003 – 2011 | Lehrbeauftragung an der Technischen Universität Graz: "Galileo – The European Satellite Navigation System" |
| 2003 | Organisation und Exhibition Manager der „GNSS 2003 – The European Navigation Conference“, die wichtigste europäische Konferenz zum Thema Navigation |
| 01.01.05 – 30.04.06 | alpS GmbH – Zentrum für Naturgefahren Management (teilzeitbeschäftigt); Projektmanager und Systementwickler im Bereich Positionierung und Navigation |

Publikationen

- 2011 Wasle E, Kemetinger A, Troger M, Ligier A, Urquijo S, Euler HJ (2011): Multi-frequency high-precision satellite navigation receiver for asphalt fleet machines. In: Proceedings of the European Navigation Conference on Global Navigation Satellite Systems, London, UK, 29 November – 01 December.
- 2011 Wasle E, Berglez P, Seybold J, Ligier A, Urquijo S, Euler HJ (2011): High-precision positioning of asphalt fleet machines. In: Proceedings of ION GNSS 2011, September 20-23, 2011, Portland, Oregon
- 2011 Wasle E, Lytvyn M, Berglez P, Mongrédien C, Kahmann A (2011): Automotive Urban Assist Enabled by Satellite Navigation Technology. In: Proceedings of ION GNSS 2011, September 20-23, 2011, Portland, Oregon
- 2011 Mongrédien C, Rügamer A, Overbeck M, Rohmer G, Berglez P, Wasle E (2011): Opportunities and Challenges for Multi-constellation, Multi-frequency Automotive GNSS Receivers. Festschrift. Springer Verlag. 2011 Wasle E, Lau L, Mongrédien C, Kahmann A, Ritter S (2011): Development of an assisted Galileo receiver integrated with inertial sensors for automotive applications. In: Proceedings of the International Geomatics Week 2011, Barcelona, Spain, 15 - 17 March.
- 2010 Wasle E, Seybold J, Seidel C, Ligier A, Urquijo S, Rohmer G, Euler HJ (2010): Advanced Galileo Navigation System for Asphalt Fleet Machines - ASPHALT. In: Proceedings of the 5th ESA Workshop on Satellite Navigation User Equipment Technologies, NAVITEC 2010, ESTEC, Noordwijk, The Netherlands, December 8-10.
- 2010 Wasle E, Kemetinger A (2010): Ein EGNOS Service für topografisch anspruchsvolles Gelände. The Navigation Flashlight – The Quarterly Publication of the Austrian Institute of Navigation (OVN), 03/2010.
- 2010 Wasle E, Kemetinger A (2010): Die Verfügbarkeit und Genauigkeit von EGNOS steigern. Österreichische Zeitschrift fuer Vermessung & Geoinformation (VGI), 4/2010.
- 2010 Wasle E, Berglez P, Seybold J, Euler HJ, Overbeck M, Rohmer G, Kahmann A (2010): Galileo Receiver for Mass Market Applications in the Automotive Area: user requirements and core technologies for baseband processing, multipath mitigation, and RTK. In: Proceedings of the European Navigation Conference on Global Navigation Satellite Systems, Braunschweig, Germany, 19-21 October.
- 2010 Rügamer A, Overbeck M, Koehler S, Rohmer G, Berglez P, Wasle E, Seybold J (2010): Digital GNSS Signal Recorder, Generator, and Simulator for Receiver Test, Qualification, and Certification. In: Proceedings of the 23rd International Meeting of the Satellite Division of, The Institute of Navigation, Portland, OR, September 21-24
- 2010 Rügamer A, Koehler S, Rohmer G, Berglez P, Wasle E, Seybold J (2010): GNSS Constellation Simulator and Digital Signal Generator for Receiver Test, Qualification and Certification. In: Proceedings of the International Symposium on Certification of GNSS Systems and Services (CERGAL), Rostock, Germany, 28-29 April.
- 2010 Overbeck M, Rohmer G, Wasle E, Berglez P, Euler HJ, Kahmann A (2010): Galileo Receiver for Mass Market Applications in the Automotive Area. In: Proceedings of the 5th ESA Workshop on Satellite Navigation User Equipment Technologies, NAVITEC 2010, ESTEC, Noordwijk, The Netherlands, December 8-10.
- 2009 Wasle E, Seybold J, Hofmann-Wellenhof B (2009): GNSS signal generation for interference analysis. In: Proceedings of the International Symposium on

- Certification of GNSS Systems and Services (CERGAL), Oberpfaffenhofen, March 18.
- 2009 Wasle E, Berglez P, Seybold J, Hofmann-Wellenhof B (2009): RNSS signal modeling for interference analysis. In: Proceedings of the 22th International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS 2009, Savannah, Georgia, September 22-25.
- 2009 Berglez P, Wasle E, Seybold J, Hofmann-Wellenhof B (2009): GNSS Constellation and Performance Simulator for Testing and Certification. In: Proceedings of the 22th International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS 2009, Savannah, Georgia, September 22-25.
- 2009 Berglez P, Wasle E (2009): GNSS Constellation and Performance Simulation – Software Tools Supporting Certification. In: Proceedings of the International Symposium on Certification of GNSS Systems and Services (CERGAL), Oberpfaffenhofen, March 18.
- 2008 Hofmann-Wellenhof B, Lichtenegger H, Wasle E (2008): GNSS – Global Navigation Satellite Systems – GPS, GLONASS, Galileo & more. Springer, Wien New York. 2009 erschienen in Chinesischer und 2010 in Japanischer Sprache.
- 2007 Abwerzger G, Wasle E, Hofmann-Wellenhof B, Hanley J, Jimenez Holgado JA, Claverotte L, Dalmas M, Guard J, Fridh M, Gomes P, Lem O, Roberts W, Scarda S (2007): Location Based Services – Ready for take off? In: Proceedings of ION GNSS 2007, Fort Worth, Texas, September 25--28.
- 2007 Abwerzger G, Wasle E, Fridh M, Lem O, Hanley J, Hansen P, Jeannot M, Claverotte L (2007): Hope beyond the hype, GNSS and location-based services. Inside GNSS, May/June 2(4): 54-63.
- 2006 Weimann F, Tomé P, Wasle E, Yalak O, Waegli A, Aichhorn K (2006): Sensor-augmented EGNOS/Galileo receiver for handheld applications in urban and indoor environments - SARHA. In: Proceedings of the 3rd ESA Workshop on Satellite Navigation User Equipment Technologies, NAVITEC 2006, ESTEC, Noordwijk, The Netherlands, December 11-13.
- 2006 Wasle E, Ringert J, Scarda S, Hanley S (2006): The successful take-off of Galileo-based LBS applications – the project AGILE. Angewandte Geographische Informationsverarbeitung - AGIT. 3.-5. Juli 2006, Salzburg, Austria.
- 2006 Wasle E, Lem O, Hanley J, Schettino M, Claverotte L, Scarda S (2006): Application of Galileo in the LBS environment. Presentation at the International Symposium on Certification of Galileo System & Services (CERGAL). Braunschweig, April 04-06, 2006.
- 2006 Wasle E, Abwerzger G, Claverotte L, Hanley J, Scarda S (2006): The location methods demonstrated during the technical activities of the AGILE project. In: Proceedings of the 3rd ESA Workshop on Satellite Navigation User Equipment Technologies, NAVITEC 2006, ESTEC, Noordwijk, The Netherlands, December 11--13.
- 2006 Wasle E (2006): Personalised Applications based On Reliable Positioning, Communication and GIS Management Systems in Alpine Regions (PANORAMA). Paper presented at AHORN 2005, alpS, Innsbruck, Austria, November 2005.
- 2006 Wasle E (2006): GJU Project SARHA. Presentation at the Galileo Joint Undertaking workshop, for small and medium enterprises (SME). Brussels, April 05-06, 2006.
- 2006 Ringert J, Wasle E, Hanley J, Schettino M, Scarda S (2006): Bringing Galileo into LBS market - the AGILE project. In: Proceedings of the 17th Annual IEEE

- International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'06), Helsinki, Finland, 11-14 September.
- 2006 Hanley J, Scarda S, Wasle E (2006): Application of Galileo in the LBS environment (AGILE). Paper presented at GNSS2006 - The European Navigation Conference, Manchester, May 07-10 2006.
- 2005 Weimann F, Aichhorn K, Ott B, Wasle E, Hofmann-Wellenhof B (2005): EGNOS NT2, Navigation Terminals for Mechanised Forestry Applications. Paper presented at GNSS2005 - The European Navigation Conference, Munich, July 2005.
- 2005 Wasle E, Hofmann-Wellenhof B (2005): Galileo - Europas Beitrag zur Satellitennavigation. Österreichische Zeitschrift für Vermessung und Geoinformation (VGI); 93. Jahrgang, 1/2005.
- 2005 Wasle E (2005): Personalised Applications based On Reliable Positioning, Communication and GIS Management Systems in Alpine Regions (PANORAMA). Paper presented at AHORN 2005, alpS, Innsbruck, Austria, November 2005.
- 2005 Ott B, Wasle E, Weimann F, Branco P, Nicole R (2005): Pedestrian Navigation in Difficult Environments – Results of the ESA Project SHADE. International Symposium on Geo-information for Disaster Management, Delft, The Netherlands, March 2005.
- 2005 Ott B, Wasle E (2005): Integrity for Land and Waterways Mobile Navigation - Approaches and Open Issues. Presentation at the International Symposium on Certification of Galileo System & Services (CERGal). Braunschweig, April 12-14, 2005.
- 2005 Czaja J, Baumann S, Hessian C, Wasle E, Veulliet E, Lechner W, Hofmann-Wellenhof B (2005): PANORAMA, Personalised Applications based On Reliable Positioning, Communication and GIS Management Systems in Alpine Regions. Paper presented at GNSS2005 - The European Navigation Conference, Munich, July 2005.
- 2004 Weimann F, Wasle E, Ott B (2004): SHADE - Innovativer Ansatz eines Fußgänger-navigationsystems. Paper presented at AHORN 2004, Spitzingsee, Germany, November 2004.
- 2004 Wasle E, Ott B, Abwerzger G, Branco P, Nicolè R (2004): SHADE - system architecture. Paper presented at GNSS2004 - The European Navigation Conference, Rotterdam, May 2004.
- 2004 Ott B, Wasle E, Branco P, Abwerzger G, Nicolè R (2004): Special Handheld based Applications in Difficult Environment – SHADE. Paper presented at NAVITEC 2004, ESTEC, Noordwijk, The Netherlands; 08-10 December 2004.
- 2004 Abwerzger G, Wasle E, Ott B (2004): Demonstrating a GPS/EGNOS/Loran-C navigation system in difficult environments as part of the ESA project SHADE. Paper presented at European Radio Navigation and Services EURAN 2004, June 2004.
- 2004 Abwerzger G, Hofmann-Wellenhof B, Ott B, Wasle E (2004): GPS/SBAS and Additional Sensor Integration for Pedestrian Applications in Difficult Environments. Paper presented at ION 2004, Fairfax, USA; 22-24 September 2004.
- 2003 Wasle E, Ringert J (2003): Means of Navigation for Automatic Level Crossing Control and the Concept of the ECORAIL Project, E. Wasle and J. Ringert, Österreichische Zeitschrift fuer Vermessung & Geoinformation (VGI), 1/2003, ed. by H. Schuh, F. Brunner, and H. Kahmen, pp. 61 - 67, 2003.
- 2003 Hofmann-Wellenhof B, Wasle E (2003): ECORAIL Satellite Navigation into the Domain of Railway Networks. Geoinformatics, Magazine for GEO-IT Professionals. Volume 6, April/May (3) 2003.

- 2002 Wasle E, Lautner M, Saradeth S (2002): Synergien aus GIS, Navigation und Kommunikation zum Nutzen der Bergwacht Bayern. Österreichische Zeitschrift für Vermessung und Geoinformation (VGI); 89. Jahrgang 2001.
- 2001 Wasle E (2001): ASTRON Search and Rescue Land - oder: der Wettlauf mit der Zeit. The Navigation View III/2001 – The Quarterly Publication of the Austrian Institute of Navigation (OVN).
- 2001 Wasle E (2001): The Significance of Orthogonality in the Framework of Digital Signal Analysis, Diploma Thesis, Departement for Mathematical Geodesy and Geoinformatics, Graz University of Technology.
- 2000 Wasle E, Schuh WD (2000): Leakage and Aliasing Effects in the Framework of Discrete Spectral Analysis. Proceeding to the EGS XXV General Assembly, Nice, France, April 2000 G3.01 The Earth gravity field (joint EGS/AGU): Global high-resolution geopotential modelling.