

Curriculum Vitae

Personal data

Date-, place of birth 1967-01-29, Berlin (Germany)

Nationality: German

Marital status: Married, 2 children



Qualifications

Dr.-Ing. Robert Stein is the Managing Associate of Prof. Dr.-Ing. Stein & Partner GmbH and Managing Director of STEIN Ingenieure GmbH and STEIN Infrastructure Management GmbH. His business activities include project management, realisation of major projects, coordination of interdisciplinary project teams, management of international advanced training and educational activities in the field of underground infrastructure systems.

Another area is the consultation of network operators to optimize their investment planning and their rehabilitation concepts for water and wastewater networks. The basis for this is the life cycle asset management system "STATUS".

He has been involved with a multitude of utility tunnelling projects. Most notably as the project manager responsible for the approval process, planning, supervision and quality control of the 52 km long, DN 1400 - DN 2800, deep tunnel sewage system "Emscher Kanal" for the federal state of North Rhine-Westphalia. Since 1995 he has published more than 100 publications, reports, expertise and feasibility studies. He is the author of the reference book "Wertermittlung von Abwassernetzen (Asset Valuation of Sewer Networks)", Trenchless Technology for Installation of Cables and Pipelines – 2nd Volume: Horizontal Directional Drilling (HDD), of the chapter on pipe jacking works (ATV DIN 18319) and co-author of the 4th edition of the international bestseller "Instandhaltung von Kanalisationen" (Rehabilitation of Drain and Sewer Systems) as well as of various technical articles.

International experience: USA (1995, 1994), France (1993)

Congresses, Conferences: (Chairman) Chairman – 8. Kanalgipfel, Wuppertal, Germany (2022), Chairman – 7. Kanalgipfel, Hannover, Germany (2021), Chairman – 6. Kanalgipfel, Dortmund, Germany (2019), Chairman – 13th Pipeline Technology Conference, Session 5.1 Asset Management, Berlin Germany, (2018); Chairman – 5. Kanalgipfel, Willingen, Germany (2018), Chairman and Moderator – German Workshop on Trenchless Technology, Tokyo, Japan (2018); Chairman – 4. Kanalgipfel, Kassel, Germany (2017); Chairman Planning, Construction and Operation of Common Utility Corridors, Chengdu, China (2017); Chairman – 3. Kanalgipfel, Frankfurt, Germany (2016); Chairman – 2. Kanalgipfel, Gelsenkirchen, Germany (2015); Chairman – Kanalgipfel, Essen, Germany (2014); Chairman – Asset Management, National Water Company, Riad, Saudi Arabia (2013); Chairman – Caspian International Aqua Technologies Conference, Baku, Azerbaijan (2013); Chairman – Workshop Utility Tunnelling and Asset Management, Doha, Qatar (2012); Chairman & Keynote speaker – Infrastructure Middle East, Bahrain (2011); Session Asset-Management and Monitoring; Chairman – 28th annual INTERNATIONAL NO-DIG, Singapore

(2010); Session Asset Management; Chairman – Underground Infrastructure Middle East, Bahrain (2010); Chairman – Trenchless Pipe Replacement Practices, Abu Dhabi (2009); Chairman 53. Concrete Solutions Germany (2009), Session Concrete and reinforced concrete pipes; Chairman NO DIG India, Sessions V Capacity Building through Human Resource Development for Trenchless Technology Application and VI Procurement Processes & Economy, India, (2007); Chairman – Maintenance of Water and Wastewater Networks, Jordan (2007) together with GTZ; Chairman – Workshop Rehabilitation of Damaged Wastewater Pipes, Isfahan (2006); Chairman – Maintenance of Water and Wastewater Networks, Jordan (2006) together with GTZ; Int. Workshop on Innovation in Optimised Water Conservation, Tehran (2006); Chairman NO-DIG, Brisbane (2006), Session Rehabilitation / renewal; Chairman Water Middle East, Session 2.1 Strategic Network Monitoring, Assessment and Planning and Session 2.2 Technologies and Procedures for Network Operation and Maintenance, Bahrain (2005); Chairman NO-DIG, Session 8: Detection and Local Repairs, Taipei, Taiwan (1997); RCUWM-Tehran international workshop on 'Public Participation, Awareness and Information Exchange for Water Resources Development and Management', Sultanate of Oman (2005)

Congresses,
Conferences:
(Speaker):

Et al. Schlauchlinertag, Kassel, Germany (2020), Nürnberg Kolloquien zur Kanalsanierung, Fürth, Germany (2020), DWA Inspektions- und SanierungsTage, Dortmund, Germany (2019), Underground Construction Technology (UCT), International Conference & Exhibition, Fort Worth, Texas, (2019), DWA Inspektions- und SanierungsTage, Dortmund, Germany (2018), 2. VDI-Fachkonferenz Betrieb und Instandhaltung industrieller Kanalnetze, München, Germany (2018), 13th Pipeline Technology Conference, Berlin, Germany, (2018), Symposium on water supply and sanitation, Teheran, Iran (2017), 11th Pipeline Technology Conference, Berlin, (2016), DWA Inspektions- und Sanierungstage, Dortmund (2015), The International Symposium on Planning, Design, Construction and Management of Municipal Utility Tunnel, Shanghai, China (2015), United Nations Economic Commission for Europe (UNECE), 77th session of the Inland Transport Committee (ITC), Geneva (2015), 12. TAH-Sanierungstage, Würzburg, Germany (2014), 02.-03.12.2014, Würzburg 4. Stuttgarter Runde, Stuttgart, Germany (2014), 13. Göttinger Abwassertage, Göttingen, Germany (2013), Caspian International Aqua Technologies Conference, Baku, Azerbaijan (2013), 11. DWA Inspektions- und SanierungsTage, Dortmund, Germany (2012), 7. deutsches Symposium für grabenlose Leitungserneuerung, University Siegen, Germany (2012), EDULEARN12, 4th International Conference on Education and New Learning Technologies, Barcelona, Spain (2012); 10th Transportation Forum, Istanbul, Turkey (2009), Int. Conf. on Underground Construction Technology, USA (2008), Int. UNW-DPC Workshop on Drinking Water Loss Reduction, Germany (2008), RehaTec – WI (2007), Dortmund Rehabilitation Day, Germany (2007), Infrastructure Day, Sewer construction & rehabilitation, Leipzig, Germany (2007), 3. Int. Expert forum of wet waste experts and waste disposal practitioners, Schwäbisch Gmünd, Germany (2007), 9th German Arab Business Forum, Berlin (2006), Dortmund Rehabilitation Day (2005), 4. DWA / Güteschutz Kanalbau / RSV / GSTT Rehabilitation Days (2005), Symposium River Basin Management, Wuppertal, Germany (2005), IFAT (2005), Oldenburg Pipeline Forum (2010, 2008, 2006, 2005, 2004), Lindau JT-Seminar (2010, 2006, 2005, 2004, 2003, 2002, 2000, 1999); LEARNTEC (2004), 1st Int. Conf. Innov. and Future Developm. in Cement Production and Concrete Constr. (2004), Forum Future Mobility (2004), Sewer System Forum – Value Conservation of Sewer Systems (2004), IFAT China (2004),

Developm. of Sewer System Techn. (2004), Rainwater Days (2004), ATV - Rehabilitation Days (2004), eGOV Days (2004), CORP (2004), Geo Multimedia (2004), ASCE Int. Conf. Pipelines (2004, 2003), Conf. Success Story E-learning (2003), ATV - Software-Days (2003), URBAN (2003), Transportation Science Days (2003), ISUFT (2002), Mainau Mobility Forum (2002), Dresden Sewage Conf. (2002), Symposium Cost-effective Sewer Rehabilitation Planning (2001), Experience in Sewer Rehabilitation Methods (2001), Symposium Trenchless (2000), Int. Symposium for Mains (1999), Essen Symposium f. Water- and Waste-Management (1999), 1st Int. Videoconference Trenchless Techn. (1998), NO DIG (2005, 2004, 2003, 2001), Int. Congr. Pipeline Constr. (2000, 1997)

Foreign languages:	English (fluent oral and written skills) French (basic knowledge)
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Professional experience

Since 2020-01-01	STEIN Infrastructure Management GmbH Managing Director
Since 2020-01-01	STEIN Ingenieure GmbH Managing Director
2008	Graduation at RWTH Aachen University, Faculty of Civil Engineering Subject of the dissertation: "Effects of optimised road gullies on the entry of solids into the sewer system" Degree: Dr.-Ing.
2006-06-28 – 2019-12-31	S & P CONSULT GmbH, Bochum Managing Director
Since 2000-01-19	visaplan – Organisation for digital media integration GmbH, Bochum, Germany Managing Director
Since 1996-12-20	Prof. Dr.-Ing. STEIN & PARTNER GmbH, Bochum, Germany Managing Associate
1995-10-01 – 1996-12-19	Prof. Dr.-Ing. STEIN & PARTNER GmbH, Bochum, Germany Project manager engineering division
1994-10-01 – 1995-09-30	Indiana University - Purdue University at Indianapolis (IUPUI) Department of Construction Technology Scholarship of Oswald-Schulze-Endowment Research assistant of Dr. Iseley
1994-03-12 – 1994-09-30	Prof. Dr.-Ing. STEIN & PARTNER, Bochum, Germany Project manager engineering department

Memberships

2022	Member NA 119-07-02 AA "Services and management in drinking water supply and wastewater disposal"
2022	Member of the board Gütegemeinschaft Kanalbau

06.2019	Member of the DWA Technical Committee ES-8 "Condition Assessment and Rehabilitation"
06.2012 -10.2013	Member of DWA-working group ES-8.5 "Site manufactured pipes"
2013 -2016	Member of ARGE LEWEKA - Arbeitsgemeinschaft "Lebensdauer und Werterhalt von Kanalisationsarbeiten" [working group "Service life and value retention of drain and sewer systems"]
2010	Member of "Kanalflüsterer", community of interest for the sustainable and efficient operation and maintenance management of drain and sewer systems
2009 – 2010	Member of the Advisory Board of International Society on Underground Freight Transportation by Capsule Pipelines and Other Tube/Tunnel Systems (ISUFT)
2009	Member of DWA-working group ES-8.9 "Rehabilitation strategies"
2007	German Society for Trenchless Technology (GSTT) Member of working group 7 "Trenchless Construction, Development and Research"
2006 - 2008	German Society of Trenchless Technology (GSTT) Member of the Advisory Board
2005 – 2006	German Society for Trenchless Technology (GSTT) Member of working group 11 "Technical service life of rehabilitated supply and disposal lines"
2004 – 2005	German Association of Water, Wastewater and Waste (DWA) Member of working group ES 8.10 "Lining of drains and sewers with local produced and hardening pipes – anchor hose lining"
2001 - 2004	European Forum on Underground Construction (EFUC) Head of the working group "Instruction and Advanced Training"
Since 1999	German Society for Trenchless Technology (GSTT)
1998 – 1999	Joint Working Group International Tunnelling Association (ITA) / German Society for Trenchless Technology (GSTT) "Social cost"
Publications	(Selection)
97 2020	Stein, R: Bürgermotivation durch moderne Bürgerkommunikation, B_I Umwelt, No. 5, pages 79-81, 10/2020 [<i>Citizen motivation through modern citizen communication</i>]
96	Stein, R.: Bye Bye Know-how, RO-KA-Tech Journal, VDRK, 02.2020
95	Stein, D., Stein, R.: Leitungsbau, Chapter 7, Baubetrieb und Bauverfahrenstechnik, Handbuch für Bauingenieure, Springer Fachmedien Wiesbaden GmbH, Online ISBN 978-3-658-21749-5 [<i>Pipeline construction, chapter 7, construction and process engineering, manual for civil engineers</i>]

94	2019	Stachowske, M., Stein, R.: Abwasserkanäle - Finanzierung und Nutzungsdauer, Rathaus consult, Issue 3-4, pages 34-37, 2019 [Sewers - financing and useful life]
93	2018	Stein, R.: Lifelong Learning and Career Development in using a web-based Knowledge Network, In Pipeline Technology Journal, Issue 2/2018
92		Stein, R.: Modellierung der Netzalterung als wichtige Komponente zur Verbesserung der Sanierungsplanung, In Korrespondenz Abwasser, Abfall Heft 10/2018, Pages 894-900 [Modeling of network aging as an important component to improve remediation planning]
91	2016	Stein, R., Uhlenbroch, A., Stein, D.: Management of Water Supply Networks - A Practical Approach to Water Leakage Reduction, In: Proceedings Iran Symposium on water supply and sanitation, Teheran, Iran, 26 – 27.02.2017
90		Stein, R.: The next generation of Asset Management, www.unitracc.com , 29.08.2016
89		Stein, R.: Strategien zur Ertüchtigung von Entwässerungsnetzen, www.unitracc.de , 20.09.2016 [Strategies for the improvement of drainage networks]
88	2015	Stein, R.: Taking curves with confidence, www.unitracc.com , 28.01.2015
87		Stein, R.: Evaluation models for the assessment of the structural and operational condition of drain and sewer systems – Part III, In www.unitracc.com , 08.07.2015
86		Stein, R.: Evaluation models for the assessment of the structural and operational condition of drain and sewer systems – Part II, In www.unitracc.com , 05.06.2015
85		Stein, R.: Evaluation models for the assessment of the structural and operational condition of drain and sewer systems – Part I, In www.unitracc.com , 06.05.2015
84	2014	Stein, D, Stein, R.: Instandhaltung von Kanalisationen [Rehabilitation of Drain and Sewer Systems], 4th edition, Volume I (1000 pages), Prof. Dr.-Ing. Stein & Partner GmbH, Germany, ISBN 978-3-9810648-4-1, 11.2014
83		Stein, R.: Erweiterte Beurteilungsmodelle für die Strategieoptimierung und den Werterhalt beim ABK, In Bauverlag BV GmbH, THIS 7/2014, pages 26 – 33, [Advanced assessment models for strategy optimization and preservation of asset value]
82		Stein, R., Beckmann, D.: Einsatz von GFK-Rohren beim Rohrvortrieb - Qualitätssicherung und Überwachung, In Tagungsband 12. Würzburger Kunststoffrohr-Tagung, Würzburg, 25- -26.06.2014 [Use of GRP pipes for pipe jacking - Quality Assurance and Control]
81		Stein, R.: Stand und Einsatzbereiche der Injektionsverfahren bei der Kanalsanierung, In: Korrespondenz Abwasser, Abfall 5/14, pages 386 -398 (05.2014) [Status and applications of the injection process in the sewer rehabilitation]

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| 80 | Stein, R.: Using PVC for the rehabilitation of sewers, http://www.unitracc.de/aktuelles/artikel/using-pvc-for-the-rehabilitation-of-sewers , 06.11.2014 |
| 79 2013 | Stein, R.: Leitungsgebundener Gütertransport – Stand der Entwicklungen und Perspektiven für den Rohrvortrieb, In: Schriftenreihe Inst. f. Rohrleitungsbau Oldenburg. Volume 39. Essen: Vulkan, 2014, pp. 381 – 395 [Line bound freight transport - state of development and perspectives for pipe jacking] |
| 78 2012 | Stein, R.: Differenzierte Schadensbewertung zur Risikominimierung, In Proceedings 11. Sanierungstage Dortmund, DWA, Hennef 12.-13.12.2012 [Differentiated damage assessment to minimize risk] |
| 77 | Stein, R.: Ökonomische Auswahlkriterien unterschiedlicher Kanalsanierungsstrategien, In Schriftenreihe Siedlungswasserwirtschaft Bochum, Volume 64, ISSN 0178-0980, pp. 173 -183 (09.2012) [Economic criteria for the selection of sewer rehabilitation strategies] |
| 76 | Stein, R.: E-Learning in the water sector – demand orientated knowledge transfer for the increase of responsibility and decision making, In Proceedings EDULEARN12, 4th International Conference on Education and New Learning Technologies, Barcelona, Spain. 2nd – 4th July 2012, CD-ROM |
| 75 | Stein, R.; Brakelmann, H.; Stein, D.: PowerTube – die Energieübertragung der Zukunft liegt unter der Straße - Möglichkeiten zur Beschleunigung von Genehmigungsverfahren im Einklang mit Bürgerinteressen, Unitracc-E-journal (04.2012) [PowerTube – the high voltage energy transfer of the future lies below the public road system - ways to speed up authorization procedures in line with citizens' interests] |
| 74 | Stein, R.: Stand und Einsatzbereiche der Injektionsverfahren bei der Kanalsanierung, In: tis – Tiefbau, Ingenieurbau, Straßenbau (03.2012), [Status and applications of injection processes for sewer rehabilitation] |
| 73 | Reference book Stein, R.; Stein, D.: Trenchless Technology for Installation of Cables and Pipelines – 2nd Volume: Horizontal Directional Drilling (HDD), Publisher: Prof. Dr.-Ing. Stein & Partner GmbH: ISBN 978-3-9810648-2-7 |
| 72 2011 | Brakelmann, H.; Stein, D.; Stein, R.; Waschk, K.: Power-Tubes – innovatives Kabel- und Installationssystem, EW (2011) Issue 25-26, pp. 74 – 81 [Power-Tubes – innovative cable- and installation system] |
| 71 | Stein, R.: Utility Tunnelling – Länger, tiefer, kurviger, In: BI UmweltBau 3/11, pp. 8 – 17 [Utility Tunnelling – longer, deeper, more Curvaceous] |
| 70 | Stein, R.; Uhlenbruch, A.: Decision making in rehabilitation strategy forecasts, In : Proceedings : International Water Association 4th Leading Edge Conference on Strategic Asset Management, Mühlheim an der Ruhr, Germany, 27-30 September 2011 |
| 69 | Stein, R.; Uhlenbruch, A.: Entscheidungsmodellierung in Sanierungsstrategieprognosen In: LESAM spezial 2011, energie /wasser-praxis, DVGW, Pages 31-33, 2011 [Decision modeling in rehabilitation strategy forecasts] |

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| 68 | Stein, R.: Quo Vadis – Investment? In: Proceedings Infrastructure Middle East, Conference and Exhibition, Bahrain, 17-19 January 2011 |
| 67 | Stein, R.; Beckmann, D.: Quality Assurance for Long Distance and Curved Jacking, In: Proceedings International No-Dig 2011, 29th International Conference and Exhibition, Paper Paper 4C-1 Berlin, May 2011 |
| 66 | Stein, R.; Uhlenbruch, A.: Die Kanalflüsterer – Werterhalt von Abwassersystemen im Rahmen des Generationenvertrages. In: Stuttgarter Berichte zur Siedlungswasserwirtschaft, Volume 207, pp. 37-42 [Maintaining the value of Drain and Sewer system under consideration of the so-called 'generation-pact'] |
| 65 2010 | Stein, R.; Uhlenbroch, A.: Infrastructure Asset Management Guardian of the buried Treasure. In: Proceedings International No-Dig, 28th International Conference and Exhibition, pp. 44-0, Singapore, 8-10 November 2010 |
| 64 | Stein, R.: Entwicklungen bei der Straßenentwässerung. In: Proceedings 23. Lindauer Seminar, March 2010 [Developments in road drainage] |
| 63 2009 | Reference book Stein, R.; Ghaderi, S.: Vermögensbewertung von Abwassernetzen, Fraunhofer IRB Verlag: ISBN 978-3-8167-7938-4, [Asset Valuation of Sewer Networks] |
| 62 | Stein, R.: The Construction Site on Your Desktop – Amazing Learning Success in Transferring Theory into Practice. In Conference CD, Online Educa Berlin, December 2-4, 2009 |
| 61 | Stein, R.: Einsatz des Separations-Straßenablaufs zur Reduzierung von Feststoffeinträgen in Kanalisationen. In KA Korrespondenz Abwasser, Abfall (2009), No. 8, pp. 777-784 [Use of the Separation Street Outlet to Reduce the Input of Solid Matter into Sewer Systems] |
| 60 | Stein, R.; Cakmak, H.: Umfrage zum Zustand der Straßenablaufsysteme in Deutschland (Teil 2). In: bi UmweltBau (2009), No. 3, pp. 72 – 77 [Survey on the condition of Road Gully systems in Germany – Part 2] |
| 59 | Stein, R.; Cakmak, H.: Umfrage zum Zustand der Straßenablaufsysteme in Deutschland (Teil 1). In: bi UmweltBau (2009), No. 2, pp. 94 – 98 [Survey on the condition of Road Gully systems in Germany – Part 1] |
| 58 | Stein, R.; Uhlenbroch, A.: Differentiated aging analysis of concrete pipes – Differences in service life recorded for various construction periods. In: Proceedings 53 rd BetonTage |
| 57 | Stein, R.; Uhlenbroch, A.; Ghaderi, S.: Analysis of the long-term effects of Maintenance and Investment Strategies. In: International Conference on Underground Construction Technology, San Antonio, USA - Session: Establishing a Pathway for Achieving Water Utility Infrastructure Management |
| 56 2008 | Stein, R.; König, H. J.; Statetzni, C.: HDD-Felsbohrung in Hanglage. In: bi UmweltBau (2008), No. 6 [<i>HDD-rock bore in a hillside situation</i>] |

- 55 Stein, R.: Auswirkungen optimierter Straßenabläufe auf Feststoffeinträge in Kanalisationen, doctorate 2008 In: RWTH Aachen Hochschulbibliothek <http://darwin.bth.rwth-aachen.de/opus3/volltexte/2008/2491/> [Effects of optimised road gullies on the entry of solids into the sewer system]
- 54 Stein, R.; Trujillo Alvarez, R.; Uhlenbroch, A.: Saving Water Resources by Leakage Reduction Strategies Using a Holistic Network Management. In: Indian Water Works Association Mumbai Centre (Event): Achieving 24 x 7 Continuous Water Supply, 10th International Conference 11–12th January 2008 – Mumbai, India
- 53 2007 Stein, R.: Wird die digitale Technik Standard? In: bi UmweltBau (2007), No. 2, pp. 61 – 67 [*Is digital Technology becoming Standard?*]
- 52 Wolf, P.; Wagner, J.; Stein, R.; Cakmak, H.: Einschätzung des Gefährdungspotenzials für das Grundwasser beim Bau und Betrieb von Abwasserkanälen in Wasserschutzgebieten und Entscheidungshilfe für die Auswahl des Ableitungssystems, Oldenbourg Industrieverlag GWF (12. 2007) [*Assessment of the potential hazard to groundwater during the construction and operation of sewer systems in water protection areas and provides guidance for the selection of the drainage system*]
- 51 Beckmann, D.; Stein, R.; Fabri, T.: CoJack – A new statics method of computing and controlling pipe Jacking. In: Tunnelling and Underground Space Technology 22 (2007), pp. 587-599
- 50 Stein, R.; Beckmann, D.: CoJack-Variante für GFK-Vortriebsrohre. In: bi UmweltBau (2007), No. 5, pp. 12 – 17 [*Monitoring of GRP-jacking pipes with the online control and simulation program CoJack*]
- 49 Stein, R.; Cakmak, H.: Zustand und Sanierungsbedarf von Schächten. In: tis – Tiefbau, Ingenieurbau, Straßenbau (2007), No. 4, pp. 56 - 63 [*Condition of manholes and their demand for rehabilitation*]
- 48 2006 Stein, R.; Oettinghaus, H.; Falk, C.: Optimierte Rohrverlegung in offener Bauweise. In: tis – Tiefbau, Ingenieurbau, Straßenbau (2006), No. 12, pp. 22 - 25 [*Optimised pipe installation using the open-cut construction method*]
- 47 Stein, R.: Master plan for a sustainable supply and disposal infrastructure of mega cities - Part III, In: E-Journal UNITRACC <http://www.unitracc.com/aktuelles/artikel>, Dec. 2012
- 46 Stein, R.: Master plan for a sustainable supply and disposal infrastructure of mega cities - Part II, In: E-Journal UNITRACC <http://www.unitracc.com/aktuelles/artikel>, Nov. 2012
- 45 Stein, R.: Master plan for a sustainable supply and disposal infrastructure of mega cities - Part I, In: E-Journal UNITRACC <http://www.unitracc.com/aktuelles/artikel>, Oct. 2012
- 44 Stein, R.; Brauer, A.: Rohrvortriebsarbeiten (ATV DIN 18319). In: Hankammer, G.; Mentlein, H. (eds.): Abnahme von Bauleistungen – Tiefbau. Erkennen und Beurteilen von Planungs- und Ausführungsmängeln. Köln : Verlagsges. Müller, 2006, pp. 304 - 316 [*Pipe jacking works*]

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| 43 | Stein, R.; Cordel, H.; Brauer, A.: Kommen wir dem Universalschild näher?. In: tis – Tiefbau, Ingenieurbau, Straßenbau (2006), No. 10, pp. 36 - 40
[(Tunnelling) <i>Are we approaching the universal shield?</i>] |
| 42 | Stein, R.; Oettinghaus, H.: Abdichtung von Rohrverbindungen in Kanalisationen durch Injektionen. In: Venzmer, H. (ed.): Injektionsmittelabdichtung: Vorträge 7. Dahlberg-Kolloquium Wismar 2006. Berlin: Bauwesen, 2006 (Schriftenreihe Altbauinstandsetzung 12), pp. 107 - 116 [<i>Sealing of pipe joints in sewer networks by injections</i>] |
| 41 | Stein, R.; Cakmak, H.; Neumann, M.: Bedarfs- und zustandsorientierte Reinigung. In: bi UmweltBau (2006), No. 6, pp. 51 – 57 [<i>Demand- and condition-oriented cleaning</i>] |
| 40 | Beckmann, D.; Stein, R.: Statische Online-Überwachung von Rohrvortrieben. In: Straßen- und Tiefbau (2006), No. 6, pp. 12 - 16 [<i>Static online supervision of pipe jackings</i>] |
| 39 | Stein, R.; Uhlenbroch, A.: STATUS Kanal. In: Herz, R. (publ.); Lehrstuhl Städtebauwesen der TU Dresden (org.): Beiträge zum 7. Kolloquium Städtebauwesen am 27.01.2006 zum Thema Alterungsmodelle für Abwasserkanäle (Dresden 2006). – Original contributions (CD-ROM) |
| 38 | Stein, R.; Cakmak, H.: Erstellung bedarfsorientierter Reinigungspläne für Entwässerungssysteme auf Grundlage der prEN 14654-1. In: Schriftenreihe Inst. f. Rohrleitungsbau Oldenburg. Volume 30. Essen : Vulkan, 2006, pp. 342 - 353 [<i>Creation of demand-oriented cleaning plans for drainage systems based on prEN 14654-1</i>] |
| 37 2005 | Stein, R.; Brauer, A., Bis, J.: Renovierung mit dem Wickelrohrverfahren. In: bi UmweltBau (2005), No. 12, pp. 90 - 95 [<i>Renovation by the lining method with spirally wound pipes</i>] |
| 36 | Stein, R.: UNITRACC präsentiert sich in neuem Design. Lehr-, Lern- und Arbeitsplattform mit erweiterten Inhalten am Start. In: tis-Tiefbau, Ingenieurbau, Straßenbau (2005), No. 10, pp. 46 - 49 [<i>UNITRACC's new design. Learning, teaching and working platform with extended content starts</i>] |
| 35 | Stein, R.; Stein, D.; Trujillo, R.: Entwicklung einer Kanalsanierungsstrategie auf der Grundlage von Substanzprognosen. In: SES - Schriftenreihe. Volume 3. Stuttgart : Private publishing house, 2005, pp. 102 - 118 [<i>Development of sewer rehabilitation strategies based on substance prognosis</i>] |
| 34 | Stein, R.: Präventive Reinigungsstrategien am Beispiel von Feststoffrückhalt aus Straßenabläufen. In: Ber. Wassergüte- u. Abfallwirtschaft TU München (2005), No. 185, pp. 123 - 143 [<i>Preventive cleaning strategies considering as example solid support from street discharge</i>] |
| 33 | Lipkow, A.; Stein, R.; Trujillo, R.: Saving water resources by leakage reduction strategies using a holistic management approach. In: Regional Centre on Urban Water Management RCUWM – Tehran / Ministry of Regional Municipalities, Environment and Water Resources, Oman / Inter – Islamic Network on Water Resources Development and Management, Jordan / United Nations Educational, Scientific and Cultural Organization UNESCO (org.): Int. Workshop Public Participation Awareness and Inform. Exchange f. Water |

		Resources Developm. and Management (Muscat - Sultanate of Oman 2005). – Original contributions
32		Stein, R.; Prinz, G.: New Methods of electronic knowledge transfer. In: Int. Soc. f. Trenchless Technology ISTT (org.): NO DIG 2005 (23 rd Int. Conf. a. Exh. Rotterdam 2005). – Original contributions (CD–ROM)
31		Trujillo, R.; Stein, R.: Failure analysis and condition assessment of sewers and mains using fuzzy-logic. In: Int. Soc. f. Trenchless Technology ISTT (org.): NO DIG 2005 (23 rd Int. Conf. a. Exh. Rotterdam 2005). – Original contributions (CD–ROM)
30		Stein, R.; Lipkow, A.: Economic consequences of incorrect inspection and network data. In: Int. Soc. f. Trenchless Technology ISTT (org.): NO DIG 2005 (23 rd Int. Conf. a. Exh. Rotterdam 2005). – Original contributions (CD–ROM)
29		Beckmann, D.; Stein, R.; Fabri, T.: Statische Onlineüberwachung von Rohrvortrieben. In: Baublatt (2005), No. 53, pp. 12 -15 [<i>Static online-control of pipe jackings</i>]
28		Stein, R.; Trujillo, R.: Vorausschauende Sanierungsplanung von Entwässerungssystemen auf der Basis konsistenter und stabiler Prognosemodelle. In: KA - Korrespondenz Abwasser (2005), No. 6, pp. 709 - 718 [<i>Anticipatory rehabilitation planning of drainage systems on the basis of consistent and solid forecast models</i>]
27		Beckmann, D.; Stein, R.; Fabri, T.: CoJack – statische Online-Überwachung von Rohrvortrieben. In: tis – Tiefbau, Ingenieurbau, Straßenbau (2005), No. 6, pp. 28 - 32 [<i>CoJack – static online control of pipe jacking</i>]
26		Stein, R.; Brauer, A.; Pier, J.: Vortriebsbegleitende Online – Kontrolle von Bentonitsuspensionen zur Stützung der Ortsbrust bei Rohrvortrieben. In: tis – Tiefbau, Ingenieurbau, Straßenbau (2005), No. 4, pp. 12 - 17 [<i>Online control of bentonite suspensions for heading face support of pipe jacking during jacking</i>]
25		Trujillo, R.; Stein, R.; Lipkow, A.: Prognosegestützte Inspektions- und Sanierungsplanung bei Abwassernetzen am Beispiel eines Projektes. In: Schriftenreihe Inst. f. Rohrleitungsbau Oldenburg. Volume 29. Essen: Vulkan Verlag, 2005, pp. 546 - 555 [<i>Inspection and rehabilitation planning of sewer networks on the basis of prognoses exemplified by a project</i>]
24		Stein, R.; Brauer, A.: Nachhaltigkeit im Kanalbau – Neuere Erkenntnisse zum Rohrwerkstoffvergleich. In: Schriftenreihe Inst. f. Rohrleitungsbau Oldenburg. Volume 29. Essen : Vulkan Verlag, 2005, pp. 342 - 347 [<i>Sustainability in sewer construction – New findings with regard to the comparison of materials</i>]
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Awards

2007	Deutschland Land der Ideen (Germany Land of Ideas) 2007 under the patronage of the President of the Federal Republic Germany Dr. Horst Köhler, UNITRACC
2005	NO DIG-Award by the International Society for Trenchless Technology (ISTT) for outstanding projects in the area sewer- and pipeline construction, category: "Scientific Research and further Training" for the information-, learning- and working-platform UNITRACC
2004	eureleA 2004; European e-Learning Award for best practice – examples of innovative further education and training, category "small enterprises" for the e-learning - project "Go2Learning / UNITRACC"
2000	NO DIG-Award by the International Society for Trenchless Technology (ISTT) for the "Technical Information System Rehabilitation and Maintenance of Drains and Sewers"
	Federal Laureate at the LERNET – competition of the German Federal Ministry of Economy and Technology (BMWi) with the project "Go2Learning"