

**HEIKO SPALLEK****Education**

- 2000 MSBA, Computer and Information Science, Fox School of Business and Management, Temple University, Philadelphia, PA
- 1993 DMD, Humboldt University Berlin (Charité), Germany
- 1993 PhD, Dental Material Sciences, cum laude  
Humboldt University Berlin (Charité), Germany, School of Dentistry

**Positions**

- 01/2001-present Assistant Professor, Center for Dental Informatics, School of Dental Medicine University of Pittsburgh, PA
- 01/2002-present Core Faculty, Center for Biomedical Informatics, University of Pittsburgh, PA
- 07/1996-2001 Assistant Professor, Department of Dental Informatics, Temple University School of Dentistry, Philadelphia, PA
- 10/1997-2001 Affiliated Faculty, Center for Biomedical Informatics, University of Pittsburgh, PA
- 07/1996-present Founding partner, S3 Web Technologies, LLC
- 09/1993-06/1996 Assistant Professor, Department of Periodontology, School of Dentistry, Humboldt University Berlin (Charité), Germany
- 10/1989-03/1993 Scientific studies in dental material sciences in Cologne, Saarbruecken and Berlin, Germany

**Membership in professional and scientific organizations**

- 2004-present National Society for Photoshop Professionals
- 1993-present German Society for Periodontology
- 1996-present American Dental Education Association
- 1996-present American Medical Informatics Association
- 1996-present The Institute of Electrical and Electronics Engineers
- 1997-present International Medical Informatics Association's Working Group 11, Dental Informatics

**Honors and awards**

- 3/2001 Honorable Mention: Software Competition "2001 Instructional Computing in Dentistry" (American Dental Education Association)
- 8/2000 Dean's Certificate of Excellence for outstanding academic achievement in the Master of Science Business Administration Program (Richard J. Fox School of Business and Management)
- 1990-1993 Talents Department of the Friedrich Naumann Endowment

## Teaching

### Courses (required unless otherwise stated)

Course	Level	Position	Dates
Cultural and Behavioral Issues in Dental Care	predoctoral	faculty facilitator	10/2003-12/2003
Preclinical PBL	predoctoral	faculty facilitator	05/2002-05/2004
Dental Information Systems	graduate	faculty	8/2002-05/2004
Dental Informatics Seminar	graduate	faculty	9/1999-4/2000, 9/2001-4/2002, 1/2003-5/2003
Management of Information Infrastructures	graduate	faculty	9/1999-4/2000, 9/2001-4/2002
Dental Informatics Research	graduate	faculty	9/1999-4/2000, 9/2001-4/2002
Introduction to Computing	predoctoral	faculty  course director	9/1996-12/1996, 9/1997-12/1997, 9/1998-12/1998  9/1999-12/1999, 9/2000-12/2000, 9/2001-12/2001, 9/2003-4/2004
Dental Informatics	predoctoral [selective]	faculty	1/1996-4/1996, 1/1997-4/1997, 1/1999-4/1999, 1/2001-05/2001
Course in periodontal diagnostics and therapy	predoctoral	course director  faculty	9/1995-6/1996  9/1993-6/1994, 9/1994-6/1995
Course in periodontal surgery	predoctoral	faculty	9/1995-6/1996
Course in preventive dentistry	predoctoral	faculty	9/1993-6/1994, 9/1994-6/1995, 9/1995-6/1996

### Continuing education courses

Date(s)	Presenter(s)	Title	Meeting	Hrs
01/2003 - present	Spallek, H	Information Retrieval for Dental Professionals (online)	University of Pittsburgh, School of Dental Medicine	3
04/2001	Spallek, H	Dental Computing: An overview	Northeast Dental Society, Philadelphia	3
11/2000	Schleyer, T, Spallek, H	Design a Website for your practice (hands-on)	Temple University School of Dentistry	8
3/2001, 9/2000, 10/1999	Schleyer, T, Spallek, H	Introduction to computers (hands-on)	Temple University School of Dentistry	8
4/1/2000	Spallek, H, Schleyer, T	Educational implications for copyright in a digital world	AADS Annual Session	3
1/13/2000	Spallek, H	Overview of Dental	Roxborough Study Club for	2

		Informatics	Dentistry	
3/2001, 10/2000, 11/1999	Schleyer, T, Spallek, H	Discover the power of the Internet (hands-on)	Temple University School of Dentistry	8
7/1999, 9/2000	Lang, P, Spallek, H	Accessing and Searching Bibliographic Databases (online)	Temple University School of Dentistry	3
5/1997, 2/1997, 11/1996	Schleyer, T, Spallek, H	Dentistry on the Internet (online)	Temple University School of Dentistry	3
12/9/1995, 11/4/1995	Bernimoulin, P, Kleber, BM, Purucker, B, Hägeward, S, Spallek, H	Clinical Periodontology – Basics of the non-surgical therapy & Periodontal Surgery	Philipp-Pfaff-Institut, Berlin, Germany	14

### Presentations

Date(s)	Presenter(s)	Title	Meeting
11/19/2004	Spallek, H	Strategic Dental Informatics Plan for the School of Dental Medicine	2004 Board of Visitors, School of Dental Medicine, Pittsburgh, PA
10/27/2004	Sfeir, Ch, Spallek, H	Adaptive Hypermedia for Tissue Engineering	Teaching Excellence Fair 2004, University of Pittsburgh, PA
09/09/2004	Spallek, H	Dental Informatics Online Community	Joint AMIA and IMIA Dental Informatics WG Meeting at the American Medical Informatics Association: 2003 Symposium. San Francisco, CA
04/21/2004	Spallek, H	Adaptive Hypermedia in Medical and Dental Education	Innovations in Medical Education, School of Medicine, Pittsburgh, PA
04/13/2004	Antoniou, A, Spallek, H	Development of a Formative Evaluation Method for an Adaptive Hypermedia	Fourth Annual Spring Research Symposium, Pittsburgh, PA
04/09/2004	Spallek, H	The Dental Informatics Collaboratory Project	Second Annual Dental Informatics Think Tank, Pittsburgh, PA
03/31/2004	Spallek, H	Guest lecture: Dental Informatics and Library Information Sciences	Applications in Medical Informatics, graduate course for MLIS students at the School of Information Science, Pittsburgh, PA
03/8/2004	Spallek, H	The Integration of an IT Course into the Predoctoral Curriculum	ADEA 81st Annual Session and Exposition: Lunch and Learn, Seattle, WA
03/01/2004	Spallek, H	Usability Engineering Methods on the Web	CBMI course: Internet and Healthcare Informatics
11/21/2003	Spallek, H	Dental Informatics at the School of Dental Medicine	2003 Board of Visitors, School of Dental Medicine, Pittsburgh, PA
11/21/2003	Spallek, H	The Art of Poster Design	Center for Biomedical Informatics, Brown Bag Seminars, Pittsburgh, PA

11/10/2003	Schleyer, T Spallek, H	Survival of the fittest? Information technology as a subject in health professional curricula: How do we teach dental students IT skills?	Workshop, American Medical Informatics Association: 2003 Symposium. Washington, DC
11/07/2003	Spallek, H	Adaptive Hypermedia for Educational Software in Dentistry	Intelligent Systems AI Forum, Computer Science Department, University of Pittsburgh, PA
07/11/2003	Spallek, H	Dental Informatics and the SDM Curriculum	Curriculum Retreat: Patient-Centered Care: Preparing for the Future, School of Dental Medicine, Pittsburgh, PA
06/22/2003	Spallek, H	Adaptive Hypermedia Dental Education	9th International Conference on User Modeling, Johnstown, PA
06/12/2003	Spallek, H	Adaptive Hypermedia: A New Paradigm for Educational Software	Dental Informatics and Dental Research: Making the Connection, National Institutes of Health, Bethesda, MD
03/11/2003	Schleyer, T Spallek, H	„Computing in Dentistry“: A new Book and Website	ADEA 80th Annual Session and Exposition: TechnoFair, San Antonio, TX
02/27/2003	Spallek, H	Usability Engineering & Website Design Projects	CBMI course: Internet and Healthcare Informatics
12/6/2002	Spallek, H	Computing at the School of Dental Medicine	Dental Informatics Postgraduate Program Open House, Pittsburgh, PA
11/15/2002	Spallek, H	Adaptive Hypermedia for Dental Education	CBMI Colloquium, University of Pittsburgh
11/9/2002	Spallek, H	Computing in Dentistry: Synergy of a printed book and a Website (part of Workshop on Educational Program Web Sites: Demonstrations and Discussion)	American Medical Informatics Association: 2002 Symposium. San Antonio, TX
10/29/2002	Spallek, H	Dental Informatics – A frontier discipline in dentistry	13th International Alexandria Dental Congress, Alexandria, Egypt
03/2002	Spallek, H Pilcher, E Lee, J-Y Schleyer, T	Evaluation of Web-based Dental CE-Courses	ADEA 79th Annual Session and Exposition, San Diego, CA
11/2001	Schleyer, T, Johnson, L, (Spallek, H)	Developing a protocol for an educational software competition	American Medical Informatics Association: 2001 Symposium. Washington, DC
10/2001	Spallek, H	What does the World Wide Web offer the periodontists?	The 2nd Annual Periodontal Symposium at Temple University School of Dentistry, Philadelphia, PA
5/2001	Spallek, H, Freigang, B	Virtual universities for medical education?	Round table talk: Internet for ENT specialists, Annual Symposium of the German Society for ENT, Hamburg, Germany
11/15/2000	Spallek, H	Dental Informatics: A New Discipline for Dentistry? (invited)	The Center for Frontier Sciences at Temple University: Defining Dentistry: Maintaining a Healthy Smile and Body, Philadelphia, PA

12/13/1999	Spallek, H	Computing at Temple University School of Dentistry	Dental Informatics Postgraduate Program Open House, Philadelphia, PA
2/11/1999	Spallek, H	Quality Criteria of Hypermedia Documents (invited)	Seminar of the Department of Medical Informatics, Columbia University. New York, NY
1/7/1999	Spallek, H	Application of quality criteria of hypermedia documents (invited)	2nd Workshop in Interactive Periodontology. Brienz, Switzerland
9/15/1998	Spallek, H	Dental education in the 21st century (invited)	Plenary Meeting of DENTED, Dublin, Ireland
9/22/1998	Spallek, H, Spallek, G	Efficient usage of scientific Internet resources (German)	96th DOG Annual Meeting, Berlin, Germany
5/26/1998	Spallek, H	Electronic Communication (invited)	American Medical Informatics Association: 1998 AMIA Spring Congress. Philadelphia, PA
2/28/1998	Schleyer, T, Spallek, H	Department of Dental Informatics	ADEA Educational Exhibits 75th Annual Session and Exposition, Minneapolis, MN
4/1997	Schleyer, T, Torres, H, Spallek, H	Internet use in dentistry	Toward Electronic Patient Records, Medical Records Institute, Nashville, TN
4/1997	Schleyer, T, Spallek, H	Implementation of a World Wide Web-based continuing education program	Computers in Health Care Education Symposium, Philadelphia, PA
9/20/1996	Spallek, H, Arnold, L, Kleber, B-M	Computer-learning programs for periodontology via Internet (German)	Annual Meeting Deutsche Gesellschaft für Parodontologie, Baden-Baden, Germany
5/15/1996	Spallek, H, Arnold, L	CBT in Periodontology	Oral Health Track, Towards an Electronic Patient Record, San Diego, CA
1/7/1995	Spallek, H	Periodontal instruments (invited)	Workshop for Dental Assistants, Cottbus, Germany
10/21/1995	Spallek, H	World Wide Web and Medicine	Workshop for the 6th European Students Conference of the Charité, Berlin, Germany
9/16/1994	Spallek, H	Ultrasonic characterization of dental bonding systems	31st Annual Meeting of International Association for Dental Research CED. Lyon, France

## **Research, scholarship, and creative activity**

### **Publications**

#### Books

Schleyer, T, Spallek, H, Spallek, G. The Global Village of Dentistry-Internet, Intranets, Online Services for the Dental Profession, Quintessence Publishing, Chicago, (ISBN: 0-86715-345-8), 1998

Spallek H, Spallek G, The Global Village of Dentistry (German). Berlin: Quintessenz-Verlag, (ISBN: 3-87652-159-9), 1997

### Book chapters

- Spallek, H., Kleber, B.-M.: Flap operation. (German) In: Hetz, G: State-of-the-art Periodontology. Part 7 Section 4. Spitta-Verlag, Balingen 1996
- Spallek, H., Kleber, B.-M.: Excisional new attachment procedure. (German) In: Hetz, G: State-of-the-art Periodontology. Part 7 Section 4. Spitta-Verlag, Balingen 1996
- Kleber, B.-M., Spallek, H.: Modifications of surgical procedures and suture techniques. (German) In: Hetz, G: State-of-the-art Periodontology. Part 7 Section 4. Spitta-Verlag, Balingen 1996
- Kleber, B.-M., Spallek, H.: Therapy of gingiva hyperplasia. (German) In: Hetz, G: State-of-the-art Periodontology. Part 7 Section 4. Spitta-Verlag, Balingen 1996
- Kleber, B.-M., Spallek, H.: Current terminology. (German) In: Hetz, G: State-of-the-art Periodontology. Part 2 Section 3. Spitta-Verlag, Balingen 1996
- Spallek, H., Kleber, B.-M.: Acute necrotizing ulcerative gingivitis / periodontitis. (German) In: Hetz, G: State-of-the-art Periodontology. Part 5 Section 7. Spitta-Verlag, Balingen 1996
- Kleber, B.-M., Spallek, H.: Periodontal Recessions. (German) In: Hetz, G: State-of-the-art Periodontology. Part 7 Section 4.10 Spitta-Verlag, Balingen 1996
- Kleber, B.-M., Spallek, H.: Epidemiology. (German) In: Hetz, G: State-of-the-art Periodontology. Part 2 Section 5. Spitta-Verlag, Balingen 1995

### Doctoral dissertation

Spallek, H.: Ultraschallcharakterisierung dentaler Verbundsysteme. Doctor's thesis, Humboldt-Universität Berlin, Charité 1992

### Peer-reviewed journal articles

- Spallek, H. A resource guide for practice development through technology. Journal of the American Dental Association (JADA), Vol. 135, September 2004: 38S-44S
- Spallek, H. Adaptive Hypermedia: A new paradigm for educational software. Advances in Dental Research, 17, December 2003: 38-42
- Schleyer, T, Spallek, H, Bartling, WC, Corby, P. The technologically well-equipped dental office. Journal of the American Dental Association (JADA), Vol. 134(1), January 2003: 30-41
- Spallek, H. Information Retrieval on the Internet: A Guide for Dental Practitioners. Dental Clinics of North America Vol 46 (3) July 2002: 435-462.
- Spallek, H, Pilcher, E, Lee, J, Schleyer, T, Evaluation of Web-based Dental CE-Courses. Journal of Dental Education Vol 66 (3), 2002: 393-404.
- Schleyer, T, Spallek, H, An Evaluation of Five Dental Internet Portals. Journal of the American Dental Association (JADA), Vol. 133(2), February 2002: 204- 212
- Schleyer, T, Spallek, H, Dental informatics: A cornerstone for dental practice. Journal of the American Dental Association (JADA), Vol. 132, May 2001: 605-613
- Spallek, H, Berthold, P, Shanley, DB, Attstrom, R: Distance education for dentists: Improving the quality of online instruction. The American Journal of Distance Education. Vol 14(2), 2000: 49-59.

#### Republished in Distance Education in the Health Sciences:

Spallek, H, Berthold, P, Shanley, DB, Attstrom, R: Distance education for dentists: Improving the quality of online instruction. In: Distance Education in the Health Sciences. Edited by Moore, MG, Savrock, JT. Readings in Distance Education (8), ISBN: 1-877780-25-1, 2001: 98-106.

Spallek H, Schleyer T: Educational implications for copyright in a digital world. Journal of Dental Education Vol 63 (9), 1999: 673-681.

Spallek H, Schleyer T: Internet basics. Journal of the American College of Dentists, Vol. 66(2), 1999: 6-15.

- Spallek, H, Spallek, G: The efficient use of medical/scientific Internet resources (German). Der Ophthalmologe, Journal of the German Ophthalmologic Society Vol 96(11), 1999: 741-748.
- Schleyer, T, Spallek, H, Torres-Urquidy M: A profile of current Internet users in dentistry. Journal of the American Dental Association (JADA), Vol. 129, December 1998: 1748-1753
- Spallek, H, Freigang, B: Effective research with the internet (German). Laryngo-Rhino-Otol 77 1998: 347-351
- Schleyer, T, Spallek, H, Arsalan, M: Dental resources on the World Wide Web. MD Comput 1998: July 15(4): 252-255
- Spallek, H, Arnold, L, Kleber B-M: Computer-Lernprogramme für die Parodontologie via Internet (German). Dtsch Zahnärztl Z 52, 1997(7): 483-487
- Spallek, H, Gougousoudis, A, Johnson, WW: Scientific Data-Exchange in Periodontology via InterNet. J Clin Periodontol 1996; 5: 497 – 504
- Spallek, H, Gougousoudis, A: Nutzung moderner Datenfernübertragung zum Informationsaustausch in der Zahnheilkunde (German). Parodontologie, Berlin, 1995; 1: 41-45
- Spallek, H, Gougousoudis, A: Daten-Superhighways für die Zahnheilkunde? Die Nutzung moderner Kommunikationsmittel in der Zahnmedizin (German). Quintessenz, Berlin, 1995; 46: 551-561
- Republished in Spanish:
- Spallek, H, Gougousoudis, A: ¿Superautopistas de datos para el odontólogo?: aprovechamiento de los modernos medios de comunicación en odontología. Quintessence Vol 9, 1996, 4: 271-278
- Spallek, H, Deschner, J: Knochentransplantation und Implantation. Glossar der Grundbegriffe für die Praxis (German). Parodontologie, Berlin, 1995; 4: 331-336

#### Conference proceedings

- Schleyer T, Spallek H: Proceedings of "Dental Informatics and Dental Research: Making the Connection", Bethesda, June 12 and 13, 2003: Introduction. Advances in Dental Research 12-1-2003;17:1 (Editorial)
- Oliver R, Paganelli C, Cerny D, Gravert C, Klinge B, Kordass B, Johnson L, O'Keefe J, Onisei D, Podesta MT, Schleyer T, Spallek H. 4.3 Towards a global superstore of quality-assured modularized learning programmes. Eur J Dent Educ 2002;6 Suppl 3:147-51
- Spallek, H, Arnold, L: CBT in Periodontology. In: Proceedings Vol 1 (Oral Health Informatics) of the TEPR . 96, San Diego, USA. Medical Records Institute. Illinois, Kelvyn Press, (1996): 290-298

#### Posters

- Spallek, H, Schleyer, T: Adaptive Hypermedia for Online Dental Education. 2003 Spring Research Symposium, School of Dental Medicine, University of Pittsburgh. April 15, 2003; Pittsburgh, PA.
- Corby, P, Spallek, H, Schleyer, T, HART, TC, Marazita, ML, Weyant, RJ, Corby, AL, Narciso, C, Bretz, W: Preliminary Evaluation of Iris-scanning for Subject Identification in a Dental Research Study. 81st General Session and Exhibition of the International Association for Dental Research. Svenska Mässan, Göteborg, Sweden
- Spallek, H, Schleyer, T: Adaptive Hypermedia for Online Dental Education. American Dental Education Association 2003 Annual Session. March 8-12, 2003; San Antonio, TX. Journal of Dental Education Vol 67 (2), 2003: 203.
- Spallek, H, Schleyer, T: Information Retrieval for Dental Professionals - An Adaptive Hypermedia Course. Science2002: Synergy in Science, Pittsburgh, PA, September 18-20, 2002
- Spallek, H, Pilcher, E, Lee, J, Schleyer, T: Evaluation of Web-based Dental CE-Courses. Science2001: A Research Odyssey, Pittsburgh, PA, September 12-14, 2001
- Spallek, H, Schleyer, T: Refinement of a Course on Computer Applications in Dentistry. American Dental Education Association 2001 Annual Session. March 2-7, 2001; Chicago. Journal of Dental Education Vol 65 (1), 2001: 48.

- Spallek, H, Kaiser, R, Boberick, K, Boston, D, Schleyer, T: Web-based 3D online crown preparation course for dental students. AMIA Fall Symposium, Los Angeles, CA, November 4-8, 2000.
- Spallek, H, Spallek, G, Ehrh, O: Development of an interactive web-based ICD10-database. 98th DOG Annual Meeting, Berlin Sept. 21, 2000 (in: Der Ophthalmologe Suppl. 1-2000: 141)
- Schleyer, T, Spallek, H. HELPWeb: Supporting computer users in a dental school. AADS Annual Session, Washington, DC, April 1-5, 2000.
- Spallek, H, Schleyer, T, Farren, S: Evaluation of an Intranet. AADS 76th Annual Session & Exposition, Vancouver, British Columbia, March 6-10, 1999
- Schleyer T, Spallek H, Arsalan M. Characteristics of dental world wide web resources, 9th World Congress on Medical Informatics, Seoul, Korea, 1998.
- Spallek, H; Spallek, G: Efficient usage of scientific Internet resources. 96th DOG Annual Meeting, Berlin Sept. 22, 1998
- Spallek, H, Berthold, P, Shanley, DB, Attstrom, R: Quality Criteria for Hypermedia Documents in Dental Education. AMIA 1998 Annual Fall Symposium November 7-11, 1998; Orlando, FL: Hanley & Belfus; p. 1082-1083.
- Schleyer T, Spallek H, Implementation of a web-based clinical information system, AADS 75th Annual Session and Exposition, Minneapolis, MN, February 28 - March 4, 1998.
- Spallek, H, Schleyer, T: Deployment of an Intranet. AADS 75th Annual Session and Exposition, Minneapolis, MN, February 28 - March 4, 1998.
- Binder, D., Spallek, H., Kleber, B.-M.: Histopathological investigation of marginal periodontitis. In: Research/Biology and Pathology, European Federation of Periodontology - Europerio2, Florence, Italy, May 16, 1997: 75
- Spallek, H, Schleyer, T, Kwok, M, Implementation of an intranet, Computers in Health Care Education, Philadelphia, PA, April 1997.
- Schleyer, T., Spallek, H.: Implementation of a World Wide Web-based Continuing Education Program. In: Computers in Healthcare Education Symposium: Re-engineering Healthcare Education, April 23-25, Philadelphia, PA, USA, 1997: 47
- Schleyer, T., Torres-Urquidy M., Spallek, H.: Survey: Internet Use in Dentistry. In Oral Health Track, TEPR . 97, Nashville, TN, USA, April 30, 1997.
- Schleyer, T, Spallek, H, Implementation of a course on the World Wide Web, AADS Annual Session, March 1996.
- Spallek, H., Arnold, L., Kleber, B.-M.: Computer-Lernprogramme für die Parodontologie via Internet. In: Deutsche Gesellschaft für Parodontologie e.V., Jahrestagung 20.-21. September, Quintessenz Verlag Berlin 1996: 20
- Binder, D., Spallek, H., Kleber, B.-M.: Untersuchung zur Histopathogenese der marginalen Parodontitis. In: Deutsche Gesellschaft für Parodontologie e.V., Jahrestagung 20.-21. September, Quintessenz Verlag Berlin 1996: 44
- Spallek, H., Müller W.D.: Ultrasonic characterization of dental bonding systems. Journal of Dental Research 74: (3) 930-930 Mar 1995 (Current Content)
- Spallek, H., Müller, W.-D.: Ultrasonic characterization of dental bonding systems (Abstract). 31st Annual Meeting of International Association for Dental Research CED, Abstract Book, 1994: 152
- Müller, W.-D., Spallek, H.: Ultraschallcharakterisierung dentaler Verbundsysteme - Neue Möglichkeiten. Biomedizinische Technik. Biomedical Engineering. (ISSN 0013-5585) 1991, 36(1): 386
- Spallek, H., Müller, W.-D.: Zerstörungsfreie Prüfung zahnärztlicher Verbundsysteme? 6.Treffpunkt Medizintechnik, 15.-16.11.1990 (ISBN 3-927 433-19-5), 1990: 54

#### Other

- Spallek, H, Schleyer, T. eLearning – Online Kurse für den Zahnmediziner? (part 2) Zahnärzteblatt Sachsen, 2003; 06/03: 25-26.
- Spallek, H, Schleyer, T. eLearning - für den Zahnmediziner geeignet? (part 1) Zahnärzteblatt Sachsen, 2003; 04/03: 21-22.

Spallek, H, Schleyer, T. Dentistry and the Web: Continuing Education. Dental Products Report, May 2001: 18-26.

Spallek, H, Schleyer, T. Dentistry and the Web: Clinical Decision Support. Dental Products Report, April 2001: 24-29.

Spallek, H, Schleyer, T. Online Weiterbilden. Zahnärzteblatt Sachsen, 1998; 9(10): 32-33.

Spallek H, Schleyer T. Im internen Netz surfen. Zahnärzteblatt Sachsen 1998; 9(5):19-20.

Spallek H, Schleyer T. Abwehr von Eindringlingen. Zahnärzteblatt Sachsen 1998; 9(5):19-20.

Spallek, H, Schleyer, T, DENTALIS -The Global Dentistry Network; Der Online - Weg in die Zukunft? Zahnmedizinische Mitteilungen, Vol. 87, Nr. 5, 72-74.

Spallek, H, Schleyer, T, Zahnmedizinische Informatik als Lehrfach der Universität, Zahnmedizinische Mitteilungen, Vol. 86, No. 22, 82-83.

Spallek, H, Spallek, G, Freigang, B: Grundlagen des Internet. Nordostdeutsche Gesellschaft für Otorhinolaryngologie und zervikofaziale Chirurgie: June 1998: 23

Spallek, H, Freigang, B: Das Internet - "suchet so werdet ihr finden". Nordostdeutsche Gesellschaft für Otorhinolaryngologie und zervikofaziale Chirurgie: June 1998: 26

Schleyer, T, Spallek, H, Spallek, G: Book Preview: The Global Village of Dentistry. AMIA, Megabite: Vol.6, No.2, 1997: 9

Schleyer, T, Spallek, H, Arsalam, M: Characteristics of dental World Wide Web resources. AMIA, Megabite: Vol.6, No.2, 1997: 5

Spallek, H: Global learning for dentists made in Berlin. AMIA, Megabite: Vol.6, No.2, 1997: 1

Deschner, J, Spallek, H: 13 Jahre GTR. Wissenschaftliche Jahrestagung der Deutschen Gesellschaft für Parodontologie. Congress-Report. Parodontologie, Berlin, (1995) 4: 341-346

Spallek, H: Die Pflege des parodontalen Instrumentariums. Zahnärzteblatt Brandenburg. 6, 2, 1995: 9-12

Spallek, H: Berliner Parodontologie-Server im Internet. Nachrichten - Deutsche Gesellschaft für Parodontologie, 1. Halbjahr 1995, Quintessenz Verlag, Berlin (1995): 9

Spallek, H: Book review: Aktueller Stand der Parodontologie v. Hetz, G. Parodontologie, Berlin, 1995: 4: 329-330

Spallek, H: Berichterstattung 31. Jahrestagung der IADR-Continental European Division, Lyon, 16.-17. September 1994. Nachrichten - Deutsche Gesellschaft für Parodontologie, 2. Halbjahr 1994, Quintessenz Verlag, Berlin, 1994: 14

Spallek, H: Clinical Communications I; Clinical Communications III; General Session VIII: Clinical side effects of periodontal therapy; Forum for Industry IV - Biotechnology. Report: EuroPerio I, Paris 05/12/94. Nachrichten - Deutsche Gesellschaft für Parodontologie, 1. Halbjahr 1994, Quintessenz Verlag, Berlin, 1994: 7, 10, 12, 17

### **Training grants**

1997-2002	Dental Informatics Training Grant (NIDCR, LM-96-002), faculty 5%
1990-1993	Student Grant from the Talents Department of the Friedrich Naumann Endowment, \$6,000/year

### **Conference grants**

04/2002-03/2003	Schleyer T: Dental Informatics and Dental Research (NIDCR, 1R13DE014611-01), co-investigator 10%
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### **Research grants**

10/2004-03/2008	Bretz W: Dental Caries Traits: The Genetic Contribution. annual direct costs: \$250,000, 1R01 DE015351, co-investigator: 5%
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## University grants

05/2003-05/2004 Sfeir C, Spallek H: Adaptive hypermedia to introduce tissue engineering to dental, medical and engineering students. University of Pittsburgh Innovation in Education Award 2003: \$23,484

## Submitted grants (unfunded)

07/2004 Moore P: National Dental Research Network, Informatics Component, total project costs of the informatics component (7 years): \$3,521,588, co-investigator: 5%

07/2004 Schleyer T: A novel computing environment for clinical dental care. total project costs (2 years): \$367,260, co-investigator: 5%

06/2004 Spallek, H: Dental Informatics Online Community. total project costs (3 years): \$262,699, principal investigator: 25% - year 1, 15% - year 2 and 3

09/2003 Etzel K, Spallek H: Respond to CfP for Creation of an American-German Research Network in the Field of Technology-Supported Education

04/2003-03/2007 Hart T: Dental Caries: Candidate Gene Analyses in Twin Families. annual direct costs: \$250,000, co-investigator: 5%

## Editorships/Reviews

10/2004 Reviewer for the 2005 Annual Session TechFair & Expo of the American Dental Education Association

03/2004 Co-editor of the proceedings of "Dental Informatics and Dental Research: Making the Connection", Bethesda, June 12 and 13, 2003 published in Advances in Dental Research 12-1-2003;17

12/2003 Reviewer for Journal of the American Dental Association

11/2003 Reviewer for Medinfo 2004, November 2004, San Francisco

10/2003 Reviewer for the Annual Symposium of the Association for Computing Machinery (ACM) on Applied Computing, Special Track on "Computer Applications in Health Care", March 2004, Nicosia, Cyprus

08/2003-present Reviewer for the Journal of Medical Internet Research

04/2003 Reviewer for the American Medical Informatics Association Annual Symposium 2003

12/2002-present Reviewer for the Journal of Dental Education

10/2002 Reviewer for the Annual Symposium of the Association for Computing Machinery (ACM) on Applied Computing, Special Track on "Computer Applications in Health Care", March 2003, Melbourne, Florida

09/2002 Review of invention disclosures for patenting for the University of Pittsburgh Office of Technology Management

05/2001-present Referee for the American Journal of Distance Education

11/1993-present Mailing List Periodont (electronic circulation)

## Consultantships

3/2001-present Strategic Advisory Board, Idenex.com

01/2002 Judge for Software Competition "2002 Instructional Computing in Dentistry" (American Dental Education Association)

11/2001 Judge for Software Competition "2001 Instructional Computing in Dentistry" (American Dental Education Association)

- 10/1999-present eMarketing and Web-based patient appointment tracking, FreeVis (LASIK Center Germany)
- 11/1997-present Web design and professional electronic communication, GABA International AG (pharmaceutical company, Switzerland)

**Thesis advisor**

- 2004 Member of the Doctoral Preliminary Evaluation Committee for the training in Biomedical Informatics for Heather Johnson
- 2004 Development of an information architecture for an online textbook (German), University of Applied Sciences, Department for Informatics, Karlsruhe, Germany
- 1996 Untersuchung zur Histopathogenese der marginalen Parodontitis (German), Department of Periodontology of the Charité, Berlin

**Recent continuing education courses attended**

- 07/2004 Intraoral Digital Photography. 1 credit unit; University of Pittsburgh, Center for Continuing Education
- 04/2004 Relationships between Amelogenesis and Odontogenesis during tooth maturation. 1 credit unit; University of Pittsburgh Spring Research Symposium
- 11/2003 AMIA 2003 Annual Symposium, Seattle, WA
- 09/2003 Education Technology Design, Implementation, and Evaluation, course at Carnegie Mellon University, 9 credits units; instructor: Professor Ken Koedinger
- 10/2003 Certification for Preventing Sexual Harassment, University of Pittsburgh
- 07/2003 Curriculum Retreat: Patient-Centered Care: Preparing for the Future, School of Dental Medicine, Pittsburgh, PA
- 06/2003 CIRCLE Summer School Course on "Intelligent Tutoring Systems", Center for Interdisciplinary Research on Constructive Learning Environments, Pittsburgh, PA
- 06/2003 Dental Informatics and Dental Research: Making the Connection, National Institutes of Health, Bethesda, MD
- 04/2003 Third Annual Spring Research Symposium, School of Dental Medicine, University of Pittsburgh, PA
- 04/2003 Linking Disciplines across Boundaries, How to Succeed in Interdisciplinary Research, University of Pittsburgh, PA
- 04/2003 Research Practice Fundamentals  
Certification for Human Embryonic and Fetal Stem Cell Research
- 03/2002 ADEA 80th Annual Session & Exposition. San Antonio, TX
- 03/2003 Research Practice Fundamentals  
Certification for HIPAA Researchers Privacy Requirements
- 03/2003 Research Practice Fundamentals  
Certification for HIPAA Physicians Privacy Awareness Training by UPMC
- 11/2002 AMIA 2002 Annual Symposium, San Antonio, TX
- 10/2002 Research Practice Fundamentals  
Certification for Use of Laboratory Animals & Education Module
- 10/2002 International Conference on Multimodal Interfaces, Pittsburgh, PA
- 09/2002 Research Practice Fundamentals  
Certification for Research Integrity, Human Subjects, Conflict of Interest
- 6/2002 6th Lindberg Lecture and Symposium, Pittsburgh, PA (6 CME credits)
- 3/2002 AADS 79th Annual Session & Exposition. San Diego, CA
- 11/2001 AMIA 2001 Annual Symposium, Washington, DC
- 11/2000 AMIA 2000 Annual Symposium, Los Angeles, CA

4/2000	The Law of the Internet in Pennsylvania. National Business Institute. Philadelphia, PA
4/2000	AADS 77th Annual Session Information. Washington, DC
3/2000	International Conference on Learning with Technology. Temple University, Philadelphia, PA
12/1999	New Technology in Dental Medicine - a View from Penn's School of Dental Medicine. Philadelphia, PA
11/1999	AMIA 1999 Annual Symposium. Washington, DC
5/1999	Slice of Life-Computers in Healthcare Education Symposium. Philadelphia, PA
4/1999	TechTrends 2000: R&D in the New Millennium. presented by the NDIA, Philadelphia, PA
3/1999	AADS 76th Annual Session & Exposition, Vancouver, British Columbia, Canada
11/1998	AMIA 1998 Annual Symposium, Orlando, FL (21.0 of category 1 credit - AMA)
5/1998	1998 AMIA Spring Congress. Philadelphia, PA
8/1997	Interactive Multimedia '97: Society for Applied Learning Technology. Arlington, Virginia
5/1997	Mastering Computers: Supporting Windows NT - TCP/IP. Sun Microsystems, Netscape, Oracle, OpenConnect, StoreNet, Philadelphia, PA
4/1997	HSLC Computers in Healthcare Education Symposium, Jefferson Medical College of Thomas Jefferson University. Philadelphia, PA (17.5 of category 1 credit - AMA)

## **Service**

### **Committees and consortia**

#### University of Pittsburgh

01/2003-present	IT Advisory Committee, School of Dental Medicine
01/2002-present	Education Technology Advisory Committee, University of Pittsburgh
09/2002-present	Chair, Web Content Task Force for the development of a new Website for the School of Dental Medicine

#### Temple University School of Dentistry

07-08/2000	2000 Academic Appeals Committee
11/2000-12/2001	Continuing Education Committee
8/1999	Chair, Search Committee for Associate Professor (Instructional Design)
10/1998-12/2001	Honor Board
11/1996-12/2001	WWW Editorial Board
03/1996-12/2001	Curriculum Committee

#### Temple University

10/1996-05/2000	Temple University Technology Classrooms Committee
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#### National

01/2002-present	Working Group Steering Committee, American Medical Informatics Association
10/2001-present	Dental Manufacturers of America, Electronic Environment Committee
11/1997-12/2004	Chair, Dental Informatics Working Group American Medical Informatics Association