

Curriculum Vitae of Rolf Oppliger

May 12, 2010

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1 Personal Data

Nationality	Swiss
Date of birth	November 2, 1965
Place of birth	Berne (Switzerland)
Place of origin	Heimiswil (Switzerland)
Marital status	Married
Children	2
Languages	German (native language) English (fluent in spoken and written) French (in spoken and written)

2 Academic Degrees

Adjunct professor for computer science	University of Zürich	2007
Venia legendi* for computer science	University of Zürich	1999
Ph.D. in computer science	University of Berne	1993
M.Sc. in computer science	University of Berne	1991

* The *venia legendi* is the result of a process called habilitation, which is common in German-speaking countries. In this process the scientific achievements of a candidate in the postdoctoral stage, together with his or her teaching ability, are scrutinized by renowned experts in their field. To fulfil the requirements for the *venia legendi*, several years of research at a high level are necessary. In German-speaking countries the *venia legendi* or an equivalent qualification is required to be eligible for appointment as a full professor. When the candidate is given the *venia legendi* she or he is at the same time awarded the academic degree of a Privatdozentin or Privatdozent respectively (abbreviated PD). She or he is then obliged to give lectures at her or his university.

3 Contact Information

Private Address

Breichtenstrasse 18
CH-3074 Muri b. Bern, Switzerland
Phone +41 31 951 57 70

Business Addresses

eSECURITY Technologies Rolf Oppliger
Breichtenstrasse 18
CH-3074 Muri b. Bern, Switzerland
Phone/Fax +41 79 654 84 37
E-mail rolf.oppliger@esecurity.ch

Swiss Federal Strategy Unit for Information Technology FSUIT
Friedheimweg 14
CH-3003 Bern, Switzerland
Phone (direct) +41 31 325 96 96
Phone (secretariate) +41 31 322 45 38
Fax +41 31 322 45 66
E-mail rolf.oppliger@isb.admin.ch

4 Memberships

- Association for Computing Machinery (ACM), senior member
- International Association for Cryptologic Research (IACR), member
- IEEE Computer Society, member
 - Technical Committee on Computer Communications (TCCC)
 - Technical Committee on Distributed Processing (TCDP)
 - Technical Committee on Fault-Tolerant Computing (TCFT)
 - Technical Committee on Security & Privacy (TCSP)
- International Federation for Information Processing (IFIP)
 - Technical Committee 11 (TC11)
 - * Working Group 4 (WG4) on Network Security, former vice-chair

5 Professional Career

- | | |
|-----------------|--|
| 2007 to present | Adjunct professor for computer science at the University of Zürich, Switzerland |
| 1999 to present | Founder and owner of eSECURITY Technologies Rolf Oppliger in Gümligen, Switzerland |
| 1999 | Venia legendi for computer science from the University of Zürich |
| 1999 to present | Artech House series editor for information computer security and privacy (former computer security) |
| 1995 to present | Scientific employee at the Swiss Federal Strategy Unit for Information Technology (FSUIT) |
| 1994 to 1995 | Post-doctoral researcher at the International Computer Science Institute (ICSI) in Berkeley, California (USA) |
| 1993 to 1994 | Scientific employee at the Institute for Computer Science and Applied Mathematics (IAM) of the University of Berne, Switzerland |
| 1993 | Ph.D. in computer science from the University of Berne |
| 1991 to 1993 | Research and teaching assistant at the IAM |
| 1991 | M.Sc. in computer science from the University of Berne |
| 1985 to 1991 | Studies at the University of Berne <ul style="list-style-type: none">• Computer science (major subject)• Mathematics (first minor subject)• Economics (second minor subject) |

6 Teaching Activities

- University of Zürich, Switzerland
 - 2004–2010 (held annually): IT Security
 - 2003: Security Technologies for the World Wide Web
 - 2002: IT Security (with Prof. Dr. K. Bauknecht)
 - 2001/2002: Seminar on IT Security

- 2000/2001: Internet Security Protocols
- 1999/2000: Security Solutions for Internet and World Wide Web Applications
- Swiss Federal Institute of Technology, Switzerland
 - 2008: Compact Course on Secure Messaging in Theory and Practice (with Prof. Dr. D. Basin and Dr. R. Hauser)
 - 2007: Compact Course on Securing Online Applications (with Prof. Dr. D. Basin and Dr. R. Hauser)
- Georg-August-University Göttingen, Germany
 - 2007: Cryptography
- Medical University of Lübeck, Germany
 - 1999: Network Security
 - 1998: Network Security
 - 1996: IT Security
- University GH Essen, Germany
 - 2001: System Security III: Internet and Intranet Security
 - 2000: Security Technologies for the WWW
 - 1998: Security in TCP/IP-based Networks
 - 1997: System Security II: Security in Information and Communications Technology
- University of Berne, Switzerland
 - 1995/1996: Information and Communication System Security
 - 1994: Computer Security
 - 1993: Computer Security (with Prof. Dr. D. Hogrefe)
- Berne School of Engineering and Architecture (HTA-BE), Switzerland
 - 1999/2000: IT Security (with P. Trachsel and R. Kraus-Ruppert)
 - 1998/1999: IT Security (with P. Trachsel, Dr. A. Greulich, and R. Kraus-Ruppert)
 - 1997/1998: IT Security (with P. Trachsel and Dr. A. Greulich)
 - 1994: Computer Security (with P. Trachsel)

7 Review Activities

- Series Editor
 - Book series on information security and privacy (former computer security), Artech House Publishers, Norwood, MA, since 1999
- Editor
 - digma — Swiss magazine for data protection legislation and information security, Schulthess Juristische Medien AG, Zürich (Switzerland), 2000 – 2002

- Guest Editor
 - Computer Communications, special issue on “Advanced Security Techniques for Network Protection,” Vol. 23, No. 17, November 2000, pp. 1581–1728
 - Annals of telecommunications, special issue on “Network Security,” Vol. 55, No. 7-8, July-August 2000, pp. 309–420
- Associate Editor
 - IEEE Security & Privacy, since 2010
 - Security and Communication Networks (SCN), John Wiley & Sons, since 2007
- Editorial Board Member
 - Journal of Autonomic and Trusted Computing (JoATC), American Scientific Publishers (ASP), since 2005
- Program Committee Member
 - 8th Annual IEEE Consumer Communications & Networking Conference (CCNC 2011), Technical Track on Security and Content Protection, Las Vegas (USA), January 8 - 11, 2011
 - 13th International Conference on Information Security and Cryptology (ICISC 2010), Seoul (Korea), December 1 - 3, 2010
 - International Conference on Security Technology (SecTech 2010), Cebu (Philippines), November 11 - 13, 2010
 - ISSE/SICHERHEIT 2010, Berlin (Germany), October 5 - 7, 2010
 - 25th IFIP International Information Security Conference (IFIP SEC 2010), Brisbane (Australia), September 20 - 23, 2010
 - 7th International Conference on Trust, Privacy and Security in Digital Business (TrustBus '10) held in conjunction with the 21st International Conference on Database and Expert Systems Applications (DEXA 2010), Bilbao (Spain), August 30 - September 3, 2010
 - 11th International Workshop of Information Security and Applications (WISA 2010), Jeju Island (Korea), August 24 - 26, 2010
 - 6th International Conference on Information Assurance and Security (IAS 2010), Atlanta (USA), August 23 - 25, 2010
 - 5th International Conference on Systems and Networks Communications (ICSNC 2010), Nice (France), August 22 - 27, 2010
 - 10th Annual Information Security South Africa Conference (ISSA 2010), Johannesburg (South Africa), August 2 - 4, 2010
 - International Conference on Security and Cryptography (SECRYPT 2010), Athens (Greece), July 26 - 28, 2010
 - 4th International Conference on Information Security and Assurance (ISA 2010), India, June 3 - 5, 2010
 - 4th Workshop in Information Security Theory and Practices (WISTP 2010), Passau (Germany), April 12 - 14, 2010

- 25th ACM Symposium on Applied Computing (SAC 2010), Technical Track on Privacy on the Web, Sierre (Switzerland), March 22 - 26, 2010
- International Conference on Security Technology (SecTech 2009), Jeju Island (Korea), December 10 - 12, 2009
- 12th Information Conference on Information Security and Cryptology (ICISC '09), Seoul (Korea), December 2 - 4, 2009
- 4th International Conference on Systems and Networks Communications (ICSNC 2009), Porto (Portugal), September 20 - 25, 2009
- 6th European Workshop on Public Key Services, Applications and Infrastructures (EuroPKI '09), Pisa (Italy), September 9 - 11, 2009
- 3rd Workshop in Information Security Theory and Practices (WISTP 2009), Bruxelles (Belgium), September 2 - 4, 2009
- 6th International Conference on Trust, Privacy and Security in Digital Business (TrustBus '09) held in conjunction with the 20th International Conference on Database and Expert Systems Applications (DEXA 2009), Linz (Austria), August 31 - September 4, 2009
- 10th Workshop of Information Security and Applications (WISA 2009), Jeju Island (Korea), August 25 - 27, 2009
- 5th International Conference on Information Assurance and Security (IAS 2009), Xi'an (China), August 8 - 10, 2009
- International Conference on Security and Cryptography (SECRYPT 2009), Milan (Italy), July 7 - 10, 2009
- 24th IFIP International Information Security Conference (IFIP SEC 2009), Pafos (Cyprus), May 18 - 20, 2009
- 9th International Conference on Information Management (Wirtschaftsinformatik 2009), Track 21: Security, Vienna (Austria), February 25 - 27, 2009
- 11th Information Conference on Information Security and Cryptology (ICISC '08), Seoul (Korea), December 4 - 5, 2008
- 3rd International Conference on Systems and Networks Communications (ICSNC 2008), Sliema (Malta), October 26 - 31, 2008
- 4th International Conference on Information Assurance and Security (IAS 2008), Naples (Italy), September 8 - 10, 2008
- 9th International Conference on Electronic Commerce and Web Technologies (EC-Web '08) held in conjunction with the 19th International Conference on Database and Expert Systems Applications (DEXA 2008), Turin (Italy), September 1 - 5, 2008
- 5th International Conference on Trust, Privacy and Security in Digital Business (TrustBus '08) held in conjunction with the 19th International Conference on Database and Expert Systems Applications (DEXA 2008), Turin (Italy), September 1 - 5, 2008
- International Conference on Security and Cryptography (SECRYPT 2008), Porto (Portugal), July 26 - 29, 2008
- 5th European PKI Workshop: Theory and Practice (EuroPKI '08), Trondheim (Norway), June 16 - 17, 2008

- 2nd Workshop in Information Security Theory and Practices (WISTP 2008), Sevilla (Spain), May 13 - 16, 2008
- 10th Information Conference on Information Security and Cryptology (ICISC '07), Seoul (Korea), November 29 - 30, 2007
- International Association of Science and Technology for Development (IASTED) International Conference on Communication, Network, and Information Security (CNIS 2007), Berkeley, CA (USA), September 24 - 26, 2007
- 8th International Conference on Electronic Commerce and Web Technologies (EC-Web '07) held in conjunction with the 18th International Conference on Database and Expert Systems Applications (DEXA 2007), Regensburg (Germany), September 3 - 7, 2007
- 4th International Conference on Trust, Privacy and Security in Digital Business (TrustBus '07) held in conjunction with the 18th International Conference on Database and Expert Systems Applications (DEXA 2007), Regensburg (Germany), September 3 - 7, 2007
- 2nd International Conference on Systems and Networks Communications (ICSNC '07), Cap Esterel (France), August 25 - 31, 2007
- International Security Symposium on Information Assurance and Security (IAS '07), Manchester (UK), August 29 - 30, 2007
- International Conference on Security and Cryptography (SECRYPT 2007), Barcelona (Spain), July 28 - 31, 2007
- 4th European PKI Workshop: Theory and Practice (EuroPKI '07), Mallorca (Spain), June 28 - 30, 2007
- 9th Information Conference on Information Security and Cryptology (ICISC '06), Busan (Korea), November 30 - December 1, 2006
- 2nd International Conference on Signal-Image Technology & Internet-Based Systems (SITIS '06), Track II - Web-Based Information Technologies & Distributed Systems, Hammamet (Tunisia), December 17 - 21, 2006
- International Conference on Systems and Networks Communications (ICSNC 2006), Mini-conference on Security Systems (SESYS 2006), Tahiti (French Polynesia), November 2 - 4, 2006
- International Association of Science and Technology for Development (IASTED) International Conference on Communication, Network, and Information Security (CNIS 2006), Cambridge, MA (USA), October 9 - 11, 2006
- 3rd International Conference on Trust, Privacy and Security in Digital Business (TrustBus '06) held in conjunction with the 17th International Conference on Database and Expert Systems Applications (DEXA 2006), Krakov (Poland), September 4 - 8, 2006
- 7th International Conference on Electronic Commerce and Web Technologies (EC-Web '06) held in conjunction with the 17th International Conference on Database and Expert Systems Applications (DEXA 2006), Krakov (Poland), September 4 - 8, 2006
- 9th Information Security Conference (ISC '06), Island of Samos (Greece), August 30 - September 2, 2006

- International Conference on Security and Cryptography (SECRYPT 2006), Setúbal (Portugal), August 7 - 10, 2006
- 1st Conference on Advances in Computer Security and Forensics (ACSF), Liverpool (UK), July 13 - 14, 2006
- 4th International Conference on Applied Cryptography and Network Security (ACNS 2006), Singapore, June 6 - 9, 2006
- 20th IEEE International Conference on Advanced Information Networking and Applications (AINA 2006), Vienna (Austria), April 18 - 20, 2006
- Multikonferenz Wirtschaftsinformatik (MKWI 2006) IT-Security Track, Passau (Germany), February 20 - 22, 2006
- 8th Information Conference on Information Security and Cryptology (ICISC '05), Seoul (Korea), December 1 - 2, 2005
- International Association of Science and Technology for Development (IASTED) International Conference on Communication, Network, and Information Security (CNIS 2005), Phoenix, AZ (USA), November 14 - 16, 2005
- International Association of Science and Technology for Development (IASTED) International Conference on Communications and Computer Networks (CCN 2005), Marina Del Rey, CA (USA), October 24 - 26, 2005
- 4th International Workshop for Applied PKI (IWAP 05), Singapore, September 21 - 23, 2005
- 8th Information Security Conference (ISC '05), Singapore, September 20 - 23, 2005
- 2nd International Conference on Trust, Privacy, and Security in Digital Business (TrustBus '05) held in conjunction with the 16th International Conference on Database and Expert Systems Applications (DEXA 2005), Copenhagen (Denmark), August 22 - 26, 2005
- 6th International Conference on Electronic Commerce and Web Technologies (EC-Web '05) held in conjunction with the 16th International Conference on Database and Expert Systems Applications (DEXA 2005), Copenhagen (Denmark), August 22 - 26, 2005
- 2nd European PKI Workshop on Research and Applications, Kent (UK), June 30 - July 1, 2005
- IEEE GLOBECOM 2004 Symposium on Security and Network Management, Dallas, TX (USA), November 29 - December 3, 2004
- 1st International Conference on Trust and Privacy in Digital Business (TrustBus '04) held in conjunction with the 15th International Conference on Database and Expert Systems Applications (DEXA 2004), Zaragoza (Spain), August 30 - September 3, 2004
- 5th International Conference on Electronic Commerce and Web Technologies (EC-Web 2004) held in conjunction with the 15th International Conference on Database and Expert Systems Applications (DEXA 2004), Zaragoza (Spain), August 30 - September 3, 2004
- International Association for Development of the Information Society (IADIS) e-Society Conference, Spain, July 16 - 19, 2004
- 1st European PKI Workshop on Research and Applications, Samos Island (Greece), June 25 - 26, 2004

- International Association of Science and Technology for Development (IASTED) International Conference on Communication, Network, and Information Security (CNIS 2003), New York, NY (USA), December 10 - 12, 2003
- 1st MiAn International Conference on Applied Cryptography and Network Security (ACNS 2003), Kunming (China), October 16 - 19, 2003
- International Workshop on Trust and Privacy in Digital Business (TrustBus '03) held in conjunction with the 14th International Conference on Database and Expert Systems Applications (DEXA 2003), Prague (Czech Republic), September 1 - 5, 2003
- 4th International Conference on Electronic Commerce and Web Technologies (EC-Web 2003) held in conjunction with the 14th International Conference on Database and Expert Systems Applications (DEXA 2003), Prague (Czech Republic), September 1 - 5, 2003
- International Association for Development of the Information Society (IADIS) e-Society Conference, Lisbon (Portugal), June 3 - 6, 2003
- International Workshop on Trust and Privacy in Digital Business (TrustBus '02) held in conjunction with the 13th International Conference on Database and Expert Systems Applications (DEXA 2002), Aix-en-Provence (France), September 2 - 6, 2002
- 3rd International Conference on Electronic Commerce and Web Technologies (EC-Web 2002) held in conjunction with the 13th International Conference on Database and Expert Systems Applications (DEXA 2002), Aix-en-Provence (France), September 2 - 6, 2002
- 2nd International Conference on Electronic Commerce and Web Technologies (EC-Web 2001) held in conjunction with the 12th International Conference on Database and Expert Systems Applications (DEXA 2001), Munich (Germany), September 4 - 6, 2001
- Workshop on Security in Media Data held in conjunction with the GI Conference “Informatik 2000,” Berlin (Germany), September 19 - 22, 2000
- 1st International Conference on Electronic Commerce and Web Technologies (EC-Web 2000) held in conjunction with the 11th International Conference on Database and Expert Systems Applications (DEXA 2000), Greenwich (UK), September 4 - 6, 2000
- Research Workshop on Security and Electronic Commerce (WSSEC 2000), Darmstadt (Germany), March 23 - 24, 2000
- IFIP TC6 and TC11 Joint Working Conference on Communications and Multimedia Security (CMS '99), Leuven (Belgium), September 20 - 21, 1999
- Workshop on Security and Electronic Commerce held in conjunction with the 10th International Conference on Database and Expert Systems Applications (DEXA '99), Florence (Italy), August 30 - September 3, 1999
- Workshop on Security in Large-Scale Distributed Systems held in conjunction with the IEEE Symposium on Reliable Distributed Systems, Purdue University, West Lafayette, IN (USA), October 20 - 23, 1998
- IFIP TC6 and TC11 Joint Working Conference on Communications and Multimedia Security (CMS '97), Athens (Greece), September 22 - 23, 1997

- Reviewer

- Conferences and Workshops

- * 8th Annual Information Security South Africa Conference (ISSA 2009), Johannesburg (South Africa), July 6 - 8, 2009
 - * 7th Annual Information Security South Africa Conference (ISSA 2008), Johannesburg (South Africa), July 7 - 9, 2008
 - * 6th Annual Information Security South Africa Conference (ISSA 2006), Johannesburg (South Africa), July 5 - 7, 2006
 - * 5th Annual Information Security South Africa Conference (ISSA 2005), Johannesburg (South Africa), June 29 - July 1, 2005
 - * 4th Annual Information Security South Africa Conference (ISSA 2004), Johannesburg (South Africa), June 30 - July 2, 2004
 - * 19th Annual Computer Security Applications Conference (ACSAC 2003), Las Vegas, NV, December 8 - 12, 2003
 - * 18th Annual Computer Security Applications Conference (ACSAC 2002), Las Vegas, NV, December 9 - 13, 2002
 - * 17th Annual Computer Security Applications Conference (ACSAC 2001), New Orleans, LA, December 10 - 14, 2001
 - * 8th Annual IFIP TC 11 Working Conference on Information Security Management & Small Systems Security, Las Vegas, NV, September 27 - 28, 2001
 - * 16th Annual Computer Security Applications Conference (ACSAC 2000), New Orleans, LA, December 11 - 15, 2000
 - * IFIP TC 11 International Conference on Information Security (IFIP SEC 2000), Beijing, China, August 21 - 25, 2000
 - * 15th Annual Computer Security Applications Conference (ACSAC '99), Scottsdale, AZ, December 6 - 10, 1999
 - * 14th Annual Computer Security Applications Conference (ACSAC '98), Scottsdale, AZ, December 7 - 11, 1998
 - * 13th Annual Computer Security Applications Conference (ACSAC '97), San Diego, CA, December 8 - 12, 1997
 - * 12th Annual Computer Security Applications Conference (ACSAC '96), San Diego, CA, December 9 - 13, 1996

- Book Publishers

- * John Wiley & Sons, New York, NY

- Journals and Magazines

- * ACM Computing Surveys
 - * ACM Transactions on Computer Systems (TOCS)
 - * Autonomous Agents and Multi-Agent Systems
 - * Communications of the ACM (CACM)
 - * Computer Communications
 - * Computer Journal
 - * Computer Standards & Interfaces
 - * Computers & Security
 - * Electronic Commerce Research

- * EURASIP Journal on Wireless Communications and Networking
- * IBM Systems Journal
- * IEEE/ACM Transactions on Networking
- * IEEE Computer
- * IEEE Internet Computing
- * IEEE Security & Privacy
- * IEEE Transactions on Dependable and Secure Computing (TDSC)
- * IEEE Transactions on Mobile Computing (TMC)
- * IET Information Security
- * Information Sciences
- * International Journal of Computers and Applications
- * International Journal of Information Security (IJIS)
- * Journal of Computer Security
- * Journal of Network and Computer Applications
- * Journal of Systems and Software
- * Software Practice & Experience

8 Tutorials

- Oppliger, R., *Sicherheit im E-Commerce*, half-day tutorial held at the 5th Conference on “Sicherheit in Informationssystemen” (SIS 2002), Vienna (Austria), October 3 - 4, 2002
- Oppliger, R., *Java Security APIs: What is Going on Behind the Scenes?* half-day tutorial held at the 16th European Conference on Object-Oriented Programming (ECOOP 2002), Málaga (Spain), June 10 - 14, 2002
- Oppliger, R., *Security Technologies for the World Wide Web*, full-day tutorial held at the 17th Annual Computer Security Applications Conference (ACSAC 2001), New Orleans, LA, December 10 - 14, 2001
- Oppliger, R., *Web Security*, full-day tutorial held at the 15th Annual Computer Security Applications Conference (ACSAC '99), Scottsdale, AZ, December 6 - 10, 1999
- Oppliger, R., *Securing the Internet*, full-day tutorial held at the Internet Society Internet Networking Conference (INET '99), San Jose, CA, June 22 - 25, 1999
- Oppliger, R., *Sicherheit im Internet*, half-day tutorial held at the 11th ITG/VDI Conference on “Kommunikation in Verteilten Systemen” (KiVS '99), Darmstadt (Germany), March 2 - 5, 1999
- Oppliger, R., *Security in TCP/IP-based Networks*, full-day tutorial held at the 14th Annual Computer Security Applications Conference (ACSAC '98), Scottsdale, AZ, December 7 - 11, 1998
- Oppliger, R., *Internet and Intranet Security*, full-day tutorial held at the 13th Annual Computer Security Applications Conference (ACSAC '97), San Diego, CA, December 8 - 12, 1997

- Oppliger, R., *Security Protocols for the Internet*, full-day tutorial held at the 12th Annual Computer Security Applications Conference (ACSAC '96), San Diego, CA, December 9 - 13, 1996
- Oppliger, R., *Sicherheit im Internet*, half-day tutorial held at the 2nd Conference on "Sicherheit in Informationssystemen" (SIS '96), Vienna (Austria), March 21 - 22, 1996
- Oppliger, R., *Authentication and Key Distribution Systems*, half-day tutorial held at the 11th Annual Computer Security Applications Conference (ACSAC '95), New Orleans, LA, December 11 - 15, 1995

9 Invited Talks

- Oppliger, R., *Der Client als Achillesferse beim Remote Internet Voting*, Swiss E-Voting Workshop, Murten (Switzerland), June 5, 2009
- Oppliger, R., *Digital Signatures: From Theory to Practice*, ZISC Information Security Colloquium, Zürich (Switzerland), June 14, 2005
- Oppliger, R., *Digitale Dokumente: Alte und neue Herausforderungen sowie Lösungsansätze*, Tagung für Informatik und Recht, Berne (Switzerland), October 26, 2004
- Oppliger, R., *Internet Banking — Aktuelle Bedrohungen und Risiken*, Trüb PKI Fachtagung "Internetbanking mit Smartcards," Aarau (Switzerland), September 1, 2004
- Oppliger, R., *Digitale Evidenz: Zwischen Traum und Wirklichkeit*, Swiss Infosec Tagung, Kloten (Switzerland), October 29 - 31, 2003
- Oppliger, R., *Beweiskraft von digitalen Signaturen: Traum und Wirklichkeit*, University of Regensburg, Regensburg (Germany), May 9, 2003
- Oppliger, R., *Informatiksicherheit und die Jagd nach dem heiligen Gral*, IT-Stammtisch Regensburg in collaboration with the German Informatics Society (GI), Regensburg (Germany), May 8, 2003
- Oppliger, R., *IT Security: Empowering or Policing Employees*, Microsoft CIO Forum, Neuchâtel (Switzerland), June 18 - 21, 2002
- Oppliger, R., *Authentifizierungs- und Autorisierungsinfrastrukturen für Computernetze und verteilte Systeme*, University of Fribourg, Fribourg (Switzerland), March 7, 2002
- Oppliger, R., *Public Key Infrastrukturen und digitale Signaturen: Wo stehen wir?* Swiss Society of Administration Sciences, Berne (Switzerland), November 15 - 16, 2001
- Oppliger, R., *PKI: Current Situation and Future Prospects*, Symposium on Privacy and Security, Zürich (Switzerland), November 1 - 2, 2001
- Oppliger, R., *Public Key Infrastrukturen und digitale Signaturen: Wo stehen wir?* University of St. Gallen, St. Gallen (Switzerland), June 28, 2001
- Oppliger, R., *PKI: Ein Tanz um das goldene Kalb?* FGSec Conference on "Public Key Infrastructure — Möglichkeiten und Nutzen", Zürich (Switzerland), March 28, 2001

- Oppliger, R., *Authentication and Authorization Infrastructures: Kerberos vs. PKI*, SWITCH Workshop on Authentication and Authorization Infrastructures (AAIs), Gerzensee (Switzerland), November 20 - 21, 2000
- Oppliger, R., *Informatiksicherheit: Quo vadis?* 4th Conference on “Sicherheit in Informationssystemen” (SIS 2000), Zürich (Switzerland), October 5 - 6, 2000
- Oppliger, R., *Sicherheitsfragen im E-Business*, 30th SOUG Conference on “E-Business: Management, Security & Availability”, Zürich (Switzerland), September 7, 2000
- Oppliger, R., *Internet Security: State-of-the-art and Missing Pieces*, ETH/IBM Colloquium on Information Security, Zürich (Switzerland), June 15, 2000
- Oppliger, R., *Public Key Infrastrukturen (PKI) in Theorie und Praxis*, TelNetCom 2000, Zürich (Switzerland), June 6, 2000
- Oppliger, R., *Elektronische Zahlungssysteme*, University GH Essen, Essen (Germany), April 18, 2000
- Oppliger, R., *Informatiksicherheit: Herausforderungen heute und morgen*, University of Zürich (Switzerland), October 25, 1999
- Oppliger, R., *Shaping the Research Agenda for Security in Electronic Commerce*, Workshop on Security and Electronic Commerce held in conjunction with the 10th International Workshop on Database and Expert Systems (DEXA '99), Florence (Italy), September 1 - 3, 1999
- Oppliger, R., *Security in Electronic Commerce*, International Computer Science Institute (ICSI), Berkeley, CA, June 22, 1999
- Oppliger, R., *Internet Security Protocols*, Computer Security Institute NetSec '99 Conference, St. Louis, MO, June 14 - 16, 1999
- Oppliger, R., *Managing Certificates in a Corporate Environment*, Computer Security Institute NetSec '99 Conference, St. Louis, MO, June 14 - 16, 1999
- Oppliger, R., *Security Issues related to Mobile Code and Agent-based Systems*, Computer Security Institute NetSec '99 Conference, St. Louis, MO, June 14 - 16, 1999
- Oppliger, R., *Braucht das Internet Ressourcen-Reservierungsschemata?* University of Zürich (Switzerland), January 20, 1999
- Oppliger, R., *Anonymität im World Wide Web — Technische Lösungsansätze für das anonyme Browsen und Publizieren im WWW*, University GH Essen, Essen (Germany), November 26, 1998
- Oppliger, R., *Sichere Kommunikation in vernetzten und verteilten Systemen*, Lecture Series on “Informationstechnik und Armee”, ETH Zürich (Switzerland), January 7, 1998
- Oppliger, R., *Das Internet, Möglichkeiten und Herausforderungen eines Informationssuperhighway*, Münchenwiler-Tagung of the Collegium Generale, University of Berne (Switzerland), May 2 - 3, 1997
- Oppliger, R., *Communication security on the internet/intranet*, ISACA Switzerland Internet Series 97, Zürich (Switzerland), April 23, 1997

- Oppliger, R., *Das Internet — Möglichkeiten und Herausforderungen eines Information Superhighway*, University GH Essen, Essen (Germany), January 15, 1997
- Oppliger, R., *Sicherheit im Internet*, Swiss Association for the Security of Information Services (CLUSIS) Meeting on “Sicherheit und Gefahren des Internet,” Zürich (Switzerland), November 21, 1996
- Oppliger, R., *Sicherheit im Intranet*, 4th International Management Forum “Intranet - Groupware - Workflow”, Zürich-Regensdorf (Switzerland), November 13 - 14, 1996
- Oppliger, R., *Sicherheit im Internet*, Annual Meeting COMMON Switzerland (AC-CH '96), Berne (Switzerland), September 11 - 12, 1996
- Oppliger, R., *Distributed Registration and Key Distribution (DiRK)*, ICSI-Alumni e.V. Meeting, Karlsruhe (Germany), May 14 - 15, 1996
- Oppliger, R., *Authentication and Key Distribution Systems*, 4th Annual RSA Data Security Conference, Redwood Shores, CA, January 9 - 11, 1995
- Oppliger, R., *Sicherheitskonzepte für ein Kommunikationsnetz der Bundesverwaltung*, UNIGS (UNIX Interessengemeinschaft Schweiz) Spring Meeting, Zürich (Switzerland), April 14, 1994

10 Panel Discussions

- Pernul, G. (moderator), Casassa-Mont, M., Fernández, E.B., Katsikas, S.K., Kobsa, A., and R. Oppliger, *Managing Digital Identities - Challenges and Opportunities*, 4th International Conference on Trust, Privacy and Security in Digital Business (TrustBus '07) held in conjunction with the 18th International Conference on Database and Expert Systems Applications (DEXA 2007), Regensburg (Germany), September 4, 2007
- Böhm, A., Meierhans, D. (moderator), Noser, R., Oppliger, R., Roncaglioni, E., Rosenast, C., and Senn, D., *ELM und PKI - Wie soll der Amtsverkehr elektronisch werden?* Topsoft '07, Berne (Switzerland), March 7, 2007

11 Patents

- Oppliger, R., and P. Stadlin, *Verfahren und Vorrichtung zur Erbringung von temporal authentifizierten Versand- und Empfangsbestätigungen in einem elektronischen Nachrichtenvermittlungssystem*, CH 698115B1, May 29, 2009
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