

PERSONAL PROFILE



Name Jasmin Zimmermann, MSc
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PROFESSIONAL EXPERIENCE

02/2016 – present **IPTO – Institute of work and organizational psychology, Neuchâtel**
Teaching assistant and PhD candidate (75%)

- Current research projects:
 - Impact of structured communication in the operating room on surgical site infections. A multicenter study (<http://p3.snf.ch/Project-156882>)
 - Improving teamwork in medicine by brief, attention-focusing interventions: Basis and applied aspects (<http://p3.snf.ch/Project-149734>)
- Teaching
 - La psychologie du travail appliqué au domaine de la sécurité des patients (Work psychology in the field of patient safety ; seminar with. Prof. F. Tschan for Master level students)
 - Supervision of Master thesis in Psychology (in collab. with Prof. F. Tschan)
 - Teamkoordination in der Medizin: Der Einfluss von Teamkoordination auf die Leistung von medizinischen Teams in einer Notfallsituation

02/2016 Start Doctoral Thesis in Psychology

01/2015 – 01/2016 **MikS – Institute Humans in Complex Systems, Olten**
Research Associate (100%)

- Research, development, and service projects in the field of Human Factors, airport security and occupational health, i.a.:
 - Human-machine interaction in the Swiss Federal Railways: Automation in the operations centre (<http://www.fhnw.ch/aps/miks/forschungsprojekte-miks/aktuelle-projekte-neu/AutomatisierungBZ/Mensch-Maschine-Interaktion-im-Betrieb-SBB>)
 - Development of knowledge management methods for Swiss nuclear power plants with regard to generation turnover and the support of nuclear safety culture (http://www.fhnw.ch/aps/miks/research-and-development/current-miks-research-projects/knowledge_management_in_swiss_nuclear_power_plants)
- Work-life balance in aviation security: Performance and health-promoting work design in X-ray screeners at an European airport (confidential)
- Development of a test battery for the selection of X-ray screeners (confidential)
- Teaching and Training
 - Introduction to Structural Equation Modeling (for Master level students)
 - Learning diaries reviewer CAS Grundwissen Psychologie

09/2011 Graduation Master of Science in Applied Psychology

- 08/2014 – 12/2014** **MikS – Institute Humans in Complex Systems, Olten**
Research Assistant (100%)
- 09/2011 – 07/2014** **MikS – Institute Humans in Complex Systems, Olten**
Research Assistant (50%)
- 09/2011 *Start Master of Science in Applied Psychology*
- 09/2011 *Graduation Bachelor of Science in Applied Psychology*
- 07/2008 – 08/2011** **VZK – Zurich Hospital Association, Uster**
Assistant OdA G – Organisation der Arbeitswelt Gesundheit (20%)
- 09/2008 *Start Bachelor of Science in Applied Psychology*

Education

- 2016 - present** **UniNe - Université de Neuchâtel, Neuchâtel**
Faculty of science
Doctoral Thesis in Science (supervisor: Prof. F. Tschan)
Title of Thesis: Patient safety through teamwork – Team performance assessment and measurement in the operating room and simulated training scenarios of medical professionals
- 2011 - 2014** **FHNW – University of Applied Sciences and Arts Northwestern Switzerland, Olten**
School of Applied Psychology
Master of Science in Applied Psychology
Main topic: Safety and reliability of socio-technical systems / high risk organizations
- 2008 - 2011** **FHNW - University of Applied Sciences and Arts Northwestern Switzerland, Olten**
School of Applied Psychology
Bachelor of Science in Applied Psychology
Main subject: Safety and reliability of socio-technical systems / high risk organizations
Minor subject: Human Resource Management (FHNW School of Business)
- 2005 - 2008** **Pädagogisches Ausbildungszentrum NMS, Bern**
FMS - Intermediate vocational school
Intermediate vocational school certificate
Main subject: Information and communication (informatics, foreign languages, psychology)

Further Education

- 2017** **21st Swiss Summer School in Social Science Methods, Università della Svizzera italiana (USI), Lugano**
Multivlevel Modeling using MLwiN: Practical applications
- 2016** **AHRQ - Agency for Healthcare Research and Quality, Rockville MD**
TeamSTEPPS® Master Trainer
(Strategies and Tools to Enhance Performance and Patient Safety)
Subjects: Team structure, communication, leading teams, situation monitoring, mutual support, change management, coaching, measurement, implementation planning

Publications

- Zimmermann, J.**, Tschan, F., Schweitzer, S., Breuer, M., Morgenthaler, C., Semmer, N. K., Marsch, S. (in prep.). Managing a non-standard emergency task in a patient with severe bradycardia - Training medical, technical and teamwork skills in multidisciplinary ad hoc formed ICU teams. A simulation scenario.
- Tschan, F., **Zimmermann, J.** & Semmer, N. K. (2018). Rules for Coding Scheme Development In E. Brauner, M. Boos & M. Kolbe (Eds.), The Cambridge Handbook of Group Interaction Analysis (pp. 191 – 207). Cambridge: Cambridge University Press.
- Zimmermann, J.** (2016). Arbeitspausen im Home Office, Eine Untersuchung des Pausenverhaltens, der Erholungsplanung und des Erholungserlebens bei alternierend Telearbeitenden an Hochschulen. Beiträge zur Arbeitspsychologie (Hrsg. P. Sachse & E. Ulich), Band 11. Lengerich: Pabst. ISBN 978-3-95853-140-6
- Zimmermann, J.** & Degenhardt, B. (2015). Flexible Arbeit im Hochschulbereich - Eine explorative Studie zum Pausenverhalten und Erholungserleben während Arbeitspausen im HO. Wirtschaftspsychologie, 1, 60-72. ISSN 1615-7729

Presentations, Poster & Proceedings

- Zimmermann, J.**, Tschan, F., Semmer, N., Meyer, R. & Marsch, S. U. (2018, July). Towards implicit coordination: How medical teams coordinate by reducing communication and changing the way they communicate. Presentation held at the 13th annual INGroup Conference, July 19-21. Washington, DC (Bethesda, MD): Hyatt Regency.
- Morgenthaler, C., Tschan, F., Semmer, N., **Zimmermann, J.**, Huber, S. A. & Marsch, S. U. (2018, July). The effects of Task-focused, Team-focused, and Combined Reflexivity Interventions on Performance in Teams of Medical Students Confronted with a Cardiac Arrest: A Simulation Study. Poster presented at the 13th annual INGroup Conference, July 19-21. Washington, DC (Bethesda, MD): Hyatt Regency.
- Holzer, E., Tschan, F., Semmer, N. K., Keller, S., Huber, S. A., **Zimmermann, J.**, Hübner, M., Candinas, D., Demartines, N. & Beldi, G. (2018, July). Two are better than one: Introducing an intra-operative briefing enhances the quality of an established pre-operative briefing. Poster presented at the 13th annual INGroup Conference, July 19-21. Washington, DC (Bethesda, MD): Hyatt Regency.
- Zimmermann, J.**, Tschan, F., Morgenthaler, C., Semmer, N. K. & Marsch, S. (2017). Medical, technical and teamwork skills in multidisciplinary, ad-hoc formed teams of experienced ICU medical professionals: A simulation scenario and performance rating checklist. Poster presented at the 12th INGroup Annual Conference, 20th-22th July 2017. St. Louis, MO: Chase Park Plaza Hotel.
- Morgenthaler, C., Tschan, F., Semmer, N. K., **Zimmermann, J.**, Huber, S. A., Kündig, P., & Marsch, S. U. (2017, July). What do groups reflect about when asked to? Topics discussed during a reflection phase. Poster presented at the 12th INGroup Annual Conference, 20th-22th July 2017. St. Louis, MO: Chase Park Plaza Hotel.
- Tschan, F., Keller, S., Semmer, N. K., Holzer, S., Huber, S. A., **Zimmermann, J.**, Candinas, D. & Beldi, G. (2017, July). Supporting situation awareness by a short intervention to foster information exchange during surgical procedures. Presentation held at the 12th INGroup Annual Conference, 20th-22th July 2017. St. Louis, MO: Chase Park Plaza Hotel.
- Keller, S., Tschan, F., Semmer, N. K., Holzer, E., Huber, S., **Zimmermann, J.**, Candinas, D. & Beldi, G. (2017, July). Tensions in surgical teams and their association with perceived quality of cooperation. Presentation held at the 12th INGroup Annual Conference, 20th-22th July 2017. St. Louis, MO: Chase Park Plaza Hotel.
- Hostettler, K., Brüngger, J., Nisoli, G., **Zimmermann, J.** & Fischer, K. (2017). Zugverkehrsleitung der Zukunft: Entwicklung eines arbeitspsychologischen Instrumentes zur optimalen Gestaltung künftiger Mensch-Maschine-Systeme im Bahnbetrieb. Proceedings of the 63. Frühjahrskongress der Gesellschaft für Arbeitswissenschaft. In Gesellschaft für Arbeitswissenschaft (Ed.):

Soziotechnische Gestaltung des digitalen Wandels – kreativ, innovativ, sinnhaft (F.1.11).
Dortmund: GfA-Press.

Fischer, K., Saric, N., Kunz, C., **Zimmermann, J.** & Wäfler, T. (2017). Entwicklung einer Methodik zur Evaluation des Wissensmanagement-Prozesses in Unternehmen. Proceedings of the 63. Frühjahrskongress der Gesellschaft für Arbeitswissenschaft. In Gesellschaft für Arbeitswissenschaft (Ed.): Soziotechnische Gestaltung des digitalen Wandels – kreativ, innovativ, sinnhaft (G.1.1).

Zimmermann, J., Tschan, F., Marsch, S. & Semmer, N. K. (2016). How to develop observational coding systems to observe interaction: Guidelines and an example from research in the medical field. Poster presented at the 10th Anniversary of the International Meeting for Behavioural Sciences Applied to Surgery and Acute Care; 11th-12th November 2016. Aberdeen: University of Aberdeen.

Tschan, F., Semmer, N. K., Keller, S., Holzer, E., Huber, S., **Zimmermann, J.**, Candinas, D. & Beldi, G. (2016). StOP? – An intervention to introduce intraoperative briefings during surgical procedures. Presentation held at the 10th Anniversary of the International Meeting for Behavioural Sciences Applied to Surgery and Acute Care; 11th-12th November 2016. Aberdeen: University of Aberdeen.

Tschan, F., Holzer, E., Semmer, N. K., Keller, S., **Zimmermann, J.**, Huber, S. A., Beldi, G. & Stolz, M. (2016) Adjustable Field Notes - A 5\$ iPad Application to observe team interaction. Poster presented at the 10th Anniversary of the International Meeting for Behavioural Sciences Applied to Surgery and Acute Care; 11th-12th November 2016. Aberdeen: University of Aberdeen.

Zimmermann, J., Leibold, A., Brüngger, J., Grossenbacher, P., Zwahlen, P., Wäfler, T. & Fischer, K. (2015). Entwicklung eines Instruments zur Ableitung von Gestaltungsanforderungen für die automatisierte Zugverkehrsleitung im Bahnverkehr. Paper presented at 11. Berliner Werkstatt Mensch-Maschine-Systeme (S. 140-145). 07.-09.10.2015, Berlin, Germany.

Zimmermann, J., Binz, S., Knecht, C., Mühlethaler, C., Painadath, R. & Wäfler, T. (2015). Pilots' confronted with system malfunctions are feeling less safe in automated cockpits. Presentation held at the 17th EAWOP Congress "Respectful and effective leadership - Managing people and organizations in turbulent times", 20.-23.05.15, Oslo, Norway.

Zimmermann, J. & Degenhardt, B. (2015). Scientific teleworkers' rest break behaviour: Do break-time activities, quantity, interval, and length of rest breaks and a working day differ between main and home Office? Poster presented at the 17th EAWOP Congress "Respectful and effective leadership - Managing people and organizations in turbulent times", 20.-23.05.15, Oslo, Norway.

Zimmermann, J. (2014). Vertrauen in die Automatisierung, Situation Awareness & Fertigkeitsverlust durch automatisierte Systeme – eine subjektive Einschätzung aus der Linienpilotenperspektive. Plattform Sicherheitsmanagement; Olten; 26.11.2014.

Knecht, C., Mühlethaler, C., **Zimmermann, J.**, Binz, S., Painadath, R., & Wäfler, T. (2014). Vertrauen in die Automatisierung, fehlende Situation Awareness & Fertigkeitsverlust durch automatisierte Systeme - Eine subjektive Einschätzung aus der Linienpilotenperspektive. In M. Grandt & S. Schmerwitz (Hrsg.), Der Mensch zwischen Automatisierung, Kompetenz und Verantwortung (pp. 215-230). Bonn: Deutsche Gesellschaft für Luft- und Raumfahrt – Lilienthal-Oberth e.V.

Brüngger, J., Grossenbacher, P., Zwahlen, P., Gärtner, K., Wäfler, T., **Zimmermann, J.**, & Fischer, K. (2014). Human-Machine Interaction in the Swiss Federal Railways: anticipating consequences of automation on signalling and train dispatching. First German Workshop on Rail Human Factors (pp.1). 20.-21-05. 2014. Braunschweig, Germany.

Fischer, K., Brüngger, J., Wäfler, T., Grossenbacher, P., Zwahlen, P., Gärtner, K. & **Zimmermann, J.** (2014). Automatisierung in der Zugverkehrsleitung der Schweizerischen Bundesbahnen - Arbeitspsychologische Gestaltungserfordernisse. In Gesellschaft für Arbeitswissenschaft (Ed.): Gestaltung der Arbeitswelt der Zukunft (pp. 31-33). Dortmund: GfA-Press.

Brüngger, J., Grossenbacher, P., Zwahlen, P., **Zimmermann, J.**, Gärtner, K., Wäfler, T., & Fischer, K. (2013). Mensch-Maschine-Interaktion im Betrieb der SBB. Paper presented at 10. Berliner Werkstatt Mensch-Maschine-Systeme (S. 517-523). 10.-12.10.2013, Berlin, Germany.

Awards

- 2017** **Best poster award:** Zimmermann, J., Tschan, F., Morgenthaler, C., Semmer, N. K. & Marsch, S. (2017). Medical, technical and teamwork skills in multidisciplinary, ad-hoc formed teams of experienced ICU medical professionals: A simulation scenario and performance rating checklist. Poster presented at the 12th INGroup Annual Conference, 20th-22th July 2017. St. Louis, MO: Chase Park Plaza Hotel.
- 2014** **Eberhard-Ulich-Prize for the best master's thesis:** Zimmermann, J. (2016). Arbeitspausen im Home Office, Eine Untersuchung des Pausenverhaltens, der Erholungsplanung und des Erholungserlebens bei alternierend Telearbeitenden an Hochschulen. Beiträge zur Arbeitspsychologie (Hrsg. P. Sachse & E. Ulich), Band 11. Lengerich: Pabst. ISBN 978-3-95853-140-6