SABINE BRUNSWICKER

Curriculum Vitae
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Contact

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SUMMARY STATEMENT

Dr. Sabine Brunswicker is an internationally recognized scholar of digital innovation and a computational social scientist who spans boundaries of information systems, innovation sciences, and also communication studies. She is a Full Professor In her interdisciplinary research on digital innovation & transformation, she is particularly focused on the role of digital technologies and platforms as a means to facilitate and empower humans in solving problems - often in a collaborative and physically distributed way. Examples of digital innovation she studies are: Open source software (OSS) communities, crowdsourcing for innovation, data science hackathons/challenges, smart energy communities, and conversational AI for legal services. In her work, she and her collaborators design and study the structure of digital systems and how they interact and impact human behavior in a cognitive, social, economic, or ecological way. Her research relies on methods of computational social science, such as agent-based modeling, advanced network analysis or large-scale field experiments to advance theories and models of complex socio-technical interactions. At Purdue she founded the Research Center for Open Digital Innovation (RCODI) (www.rcodi.org). The center brings together an interdisciplinary team of researchers and engineers who want to shape the future of digital innovation. She and her team have developed her own digital platform for experiential and augmented data science learning and large-scale experiments on data science, social computing, and others forms of digital innovation (see www.ironhacks.com). Her work has been funded by NSF, NIH, the European Commission (EC), and industry and philanthropic donors. She has graduated 4 PhD students in the role of a chair, who have found successful career paths in academia or industry, and has severed on various committees. Further, she has thus far funded, advised or mentored more than 40 graduate students and several undergraduate students as members of research projects of RCODI. She has published in leading scholarly journals in the field of innovation (e.g. Research Policy, JSBM) and information sciences & technology (e.g. MISQ, Scientometrics, JASIST, GIQ), as well as information design/visualization (e.g. IEEE VAST). As part of her research or broader engagement efforts, she collaborates with industry (e.g. Red Hat, Accenture) or acts as advisors to policy makers (e.g. State of Indiana, European Commission), and other thought leaders (e.g. World Economic Forum). She actively takes leadership within her scientific communities (e.g. in the role of executive committee of the OCIS Division within AOM, or as founding member of special interest group (SIG) within AIS on digital innovation). As part of her educational efforts, Dr. Brunswicker has led the development of a new graduate program at the intersection of innovation, information technology, and data science. She also established global institutional relationships with South America (e.g. UNAL in Bogota, Colombia) and China (Tsinghua and CUPL in Beijing).

EDUCATION

2011	Ph.D. in Engineering Sciences (German Degree Name: Doktor-Ingeneurin, Dr. Ing.), University of Stuttgart, Germany ('with highest honor')

2005	Master of Science in Engineering & Management Sciences (German Double Degree Name: Diplom Wirtschaftsingenieur, Dipl.-Wirtsch.-Ing.), University of Technology, Darmstadt, Germany
2005	Master of Commerce (MCom) with a specialization in Marketing & Consumer Behavior, University of New South Wales (UNSW), Australia
2001	Intermediate Diploma Engineering & Management Sciences (German name: Vordiplom Wirtschaftsingenieur, comparable to Bachelor of Science in USA), University of Technology, Darmstadt, Germany
1999	High School Diploma, Karl-Theodor-v.-Dalberg Gymnasium, Majors in Latin, Music, & Math. Best Graduate 1999, Aschaffenburg, Bavaria, Germany

PROFESSIONAL APPOINTMENTS

Fall 2021 - Present	Full Professor for Digital Innovation, Joint appointment in the Department of Technology Leadership & Innovation (TLI) and the Brian School of Communication, Purdue University, West Lafayette, USA.
Spring 2019 – Summer 2021	Full Professor for Digital Innovation, Technology Leadership & Innovation (TLI), Purdue Polytechnic Institute, Purdue University, West Lafayette, USA.
Fall 2018 - Present	Full Professor by Courtesy, Brian School of Communication, College of Liberal Arts, Purdue University, West Lafayette, USA
Fall 2013 – Fall 2018	Associate Professor for Digital Innovation, Technology Leadership & Innovation (TLI), Purdue Polytechnic Institute, Purdue University, West Lafayette, USA
	– Developed new graduate program in the M.Sc. in TLI with a focus on open digital innovation, including a dual degree with Chinese Universities (Tsinghua and CUPL)
	– Teaches graduate and undergraduate classes in open innovation, digital innovation, blockchains, network analysis, behavioral analytics
	– Advisor and co-advisor of Ph.D. and master students
Spring 2014 - Present	Director of Purdue Research Center for Open Digital Innovation (RCODI) in the Discovery Park, Purdue University, West Lafayette (www.rcodi.org)
	– Founded new university-wide research center performing interdisciplinary research at the intersection of computing and social science
	– Principal investigator of research projects funded and supported by governmental agencies (NSF, NIH), university partners (e.g. UC Berkeley), corporate donors (e.g. Red Hat, Accenture) and also state-level agencies (e.g. Department of Workforce Development and Chief Data Scientist)
	– Creator of IronHacks infrastructure and program (www.ironhacks.com) to perform large-scale online experiments with close to 1000 software developers
	– Launched undergraduate research fellowship program

Summer 2014 – Present	Director of Research of the Joint Purdue-Tsinghua Center for Innovation (JPTC), Purdue University
	– Leads globalization efforts with China (Tsinghua and CUPL) in the area of innovation
	– Successfully finalized two MOUs with Tsinghua and CUPL to foster collaboration in the area of discovery, learning, and engagement
2014 – 2016	Adjunct Professor Digital Innovation, School of Information Systems, Science and Engineering Faculty, Queensland University of Technology, Australia
2014 – 2016	Visiting Professor, Department of Information Systems, ESADE Business School, Barcelona, Spain
	– Research in policy, IT-standardization, and healthcare informatics
	– Mentoring PhD students
2013 – 2015	Strategic Advisor Open Innovation, Fraunhofer-Gesellschaft, Institute for Industrial Engineering (IAO), Stuttgart, Germany
	– Development of international collaborations in the US
	– Strategic guidance on research projects in the area of open innovation at Fraunhofer-Gesellschaft
2012 – 2014	Senior Research Fellow, ESADE Business School, Barcelona, Spain
	– Joint research with Prof. Jonathan Wareham (Professor, Department of Information Systems Management, Vice-Dean Research ESADE Business School), Prof. Henry Chesbrough (UC Berkeley, California, ESADE), Prof. Wim Vanhaverbeke (Hasselt University, ESADE), Prof. Esteve Almirall (ESADE)
	– Research focus: open standards, health informatics, open public policy
2012 – 2014	Visiting Scholar, School of Information Systems, New Science and Engineering Center (visiting period over Christmas and during summer breaks). Queensland University of Technology, Brisbane, Australia
2011 – 2013	Research Lead Open Innovation, Fraunhofer-Gesellschaft, Institute for Industrial Engineering (IAO), Stuttgart, Germany
	– Led new research group in the area of open innovation with 12 researchers (undergraduate, PhD, and scientific staff)
	– Development of international collaborations and research partnerships
2012 – 2013	Visiting Research Fellow, School of Information Systems, Queensland University of Technology, Brisbane, Australia
2011 – 2013	Senior Lecturer, European School of Business (ESB), Reutlingen, Germany; Teaching in International Partnership of Business Schools Program (IPBs): 8-semester bachelor B.Sc. International Management (Double degree); lecture "Organizational Development" (4th semester students)

2007 – 2012	Academic Lead, IMP³rove, Düsseldorf, Germany
	– Principle investigator of scientific research related to the IMP³rove program funded by the European Commission (FP7) (www.improve-innovation.eu; total budget of € 7 Mio)
	– Led design and implementation of a global innovation study; collected more than 3000 firm-level data
	– Launched IMP³rove - European Academy of Innovation Management offering executive training and professional development in the area of innovation management in small and medium-sized enterprises (SMEs) including the development the curriculum and accreditation scheme
2009 – 2011	Senior Researcher Innovation Management; Fraunhofer-Gesellschaft, Institute for Industrial Engineering (IAO), Competence Center Innovation Management, Stuttgart:
	– Principle investigator of sponsored research projects with medium-sized and large multinational firms from different industries with a focus on software, smart manufacturing
	– Advisor to policy makers (e.g. European Commission or regional policy makers)
	– Chair and committee member of master thesis projects
	– Mentored PhD students Graduate School of Excellence advanced Manufacturing Engineering (GSaME)
2006 – 2009	Research Associate, Team Innovation Management, Institute for Industrial Engineering (IAT), University of Stuttgart:
	– Principle Investigator of sponsored research projects in the area of innovation management (focus IT industry), with a focus on projects on measuring innovation performance
	– Advised master students and committee member master thesis projects
2005 – 2006	Research Affiliate, Fraunhofer IPSI, Darmstadt, Germany; Design & human factors researcher ambient intelligence (smart homes)
2004	Sales & Marketing Coordinator, JB World, Sydney, Australia
2003 – 2004	Controller, Benchmarking and Strategy, Daimler Chrysler AG, Stuttgart, Germany;
Jun – Dec 2003	Research Assistant; Fraunhofer Institute IPSI, Darmstadt, Germany; human-computer interaction (HCI) research, user-centered design
Mar – Oct 2000	Relationship Manager of "Kidzonline" Start-up, Generation GmbH, Aschaffenburg, Germany;
Feb – Apr 2000	Technical Intern, Lufthansa Technik AG, Frankfurt/Main, Germany
1999 – 2001	Computer Based Training (CBT) Specialist, Lufthansa Flight Training GmbH, Frankfurt/Main, Germany

HONORS AND AWARDS

2021	Invitation to join faculty of the Center for Education and Research in Information Assurance and Security (CERIAS), one of the world's leading centers for research and education in areas of information security that are

	crucial to the protection of critical computing and communication infrastructure.
2018	Invitation to become member of Editorial Board PLoS ONE; PLoS ONE is the world's first multidisciplinary Open Access journal. PLoS ONE's broad scope provides a platform to publish primary research, including interdisciplinary and replication studies as well as negative results.
2017	Affiliate of Purdue Policy Research Institute (PPRI), Discovery Park, upon invitation
2015	Finalist of co-authored best student paper (co-authored with Mehdi Bagherzadeh) and best emerging scholar paper (co-authored with Jeremiah Johnson and Ann Majchrzak), Annual World Open Innovation Conference (2015, December)
2015	John P. Lisack Early-Career Engagement Award, Purdue Polytechnic
2013	Top researcher 2012, selected as one of the five top researchers 2012 of Fraunhofer-Gesellschaft ('Fraunhofer Society'). In 2012, Fraunhofer-Gesellschaft, a large applied research organization with more than 23 000 employees and more than 67 research institutes, selected the top 5 researchers, who had made a significant contribution to the society's research activities. Due to her achievements in the area of open innovation, Dr. Sabine Brunswicker was selected as one of the top 5 researchers in 2012.
2012	Winner of the Best Dissertation Award 2012, Stuttgart, sponsored by the Association of Production Research (FpF)
2012	Winner of the ISPIM-WILEY Best Dissertation Award Innovation Management 2011; selected by an international scientific committee in a double-blind review process out of more than 150 submissions worldwide; sponsored by the publisher WILEY
2008	Europe Innova Award for the achievements of the IMP³rove Initiative
2004	DAAD Scholarship for graduate studies in Australia
2004	Second place in business plan competition CONNECTOR; Australian Graduate School of Management (AGSM), Sydney
2002	E-fellows.net Scholarship (3 years); scholarship award to top performing students enrolled in a high-profile program at German university

AFFILIATIONS, BOARDS AND MEMBERSHIPS

2021 - 2024	*Purdue University Senate,* the governing body of the Purdue faculty, Senator
2019 - Present	*Special Interest Group (SIG) for Digital Innovation,* Association of Information Systems (AIS), AIS is the premier professional association for individuals and organizations, who lead the research, teaching, practice, and study of information systems worldwide, Founding Member
2019	*AOM OCIS Shanghai Conference 2019* Change Management, Artificial Intelligence, and Social Media, China, Steering Committee and Program Chair
2018 - Present	*Editorial Board PLoS ONE*, upon invitation; PLoS ONE is the world's first multidisciplinary Open Access journal. PLoS ONE's broad scope provides a platform to publish primary research, including interdisciplinary and replication studies as well as negative results. The journal's publication criteria are based on high ethical standards and the rigor of the methodology and conclusions reported.

2018	*International Conference of Information Systems (ICIS)*, 2018, "Bridging the internet of people, data, and things", San Francisco, USA, Executive Committee, Chair of the track on panel discussions together with Prof. Prabhudev Konana, University of Texas and Prof Karlheinz Kautz
2018	*AOM Special Conference on Big Data and Digital Contexts*, 2018, Academy of Management (AOM), Executive Committee, Track Chair *"Digital platforms and Computational Social Science"*, upon invitation of AOM Leadership; The AOM Special Conference on Big Data and Digital Contexts (April 2018) is co-organized by 5 divisions of the Academy of Management (Organizational Communication and Information Systems, Organization and Management Theory, Social Issue Management, Organization and Natural Environment, Organization and Management Theory) with the intent to nurture the development of a new field of research, University of Sussex, UK.
2016 - 2019	Representative-at-Large in the *Organizational Communication and Information Systems (OCIS) Division* of the *Academy of Management (AOM)*
2014 - Present	*Association for Information Systems (AIS),* AIS is the premier professional association for individuals and organizations, who lead the research, teaching, practice, and study of information systems worldwide; academic member since 2014.
2011 - Present	*Open Innovation Strategy and Policy Group (OISPG)* led by the European Commission (DG Connect), and Intel, Europe; policy advisor
2011 - Present	*Academy of Management (AOM),* academic member in the divisions of Technology and Innovation Management (TIM), and Organizational Communication and Information Systems (OCIS)
2014 - 2016	*Virtual Institute for Open Online Community Data Research (NSF)*: Prototyping an Open Collaboration Data Factory. Sabine Brunswicker was elected as advisory board member of a new multidisciplinary community of scholars advancing multidisciplinary research on open online communities. Founding members of the institute Susan Winter (University of Maryland and former NSF director), Brian Butler (University of Maryland), Kathy Shilton (University of Maryland), Sean Goggins (University of Missouri), Jonathan Morgan (Wikipedia), and others.
2014 - 2015	*Future Enterprise Research Initiative supported by the European Commission* and part of the Horizon 2020 program; expert panel member since February 2014; other expert member included David Shier, MIT, Gigi Wang, MIT & Stanford, Mc Rae, IBM, and others.
2012 - 2016	*International Society of Professionals of Innovation Management* (ISPIM); academic member since 2012; since 2014 member of the scientific panel
2011- 2014	*Scientific Committee of the Open Innovation Community* (www.openinnovation.net); scientific member of the committee together with Prof. Henry Chesbrough (UC Berkeley) and Prof. Joel West (University of San Jose); since 2011
2008	*Standardization Working Group* 35 on "standardization of innovation capability rating for manufacturing SMEs" of the European Committee for Standardization (CEN), working group members developed a CWA published in 2008 (CWA 15899:2008)

PUBLICATIONS

Books and Book Chapters

Kremser, W., Pentland, B., & Brunswicker, S. (2019). The continuous transformation of interdependence in networks of routines. In J. Gehman, M. Lounsbury, & R. Greenwood (Ed.), *Routine Dynamics and Transformation. Book Series: Research in Sociology of Organizations*. Emerald Insight, peer-reviewed series.

Bagherzadeh, M., & Brunswicker, S. (2018). Governance choice in open innovation: The antecedent role of external source choice. In A. Gyamfi and A.Williams (Ed.), *Evaluating Media Richness in Organizational Learning* (pp. 181–202), Hershey: IGI Global.

Brunswicker, S., Majchrzak, A., Almirall, E., & Tee, R. (2016). Co-creating value from open data: from incentivizing developers to inducing co-creation in open data ecosystems. In S. Nambisan (Ed.): *Open Innovation and Innovation Networks* (Vol. 1), World Scientific Publishing.

Brunswicker, S. (2016). Managing open innovation in small and medium-sized firms in the tourism sector. In W. Egger, I. Gula, & D. Walcher (Eds.), *Open tourism: Open innovation, crowdsourcing, and collaborative consumption challenging the tourism industry*, Berlin: Springer.

Bagherzadeh, M., & Brunswicker, S. (2016). Governance of Knowledge Flows in Open Exploration: The Role of Behavioral Control. In T.K. Das (Ed.), *Decision Making in Behavioral Strategy (DMBS),* Information Age Publishing (IAP).

Brunswicker, S., & Johnson, J. (2015). From governmental open data toward governmental open innovation (GOI). In D. Archibugi & A. Filippetti (Eds.), *The handbook of global science, technology, and innovation* (1 ed., pp. 504-524): New Jersey: John Wiley & Sons, Ltd.

Zentner, M. G., Zentner, L. K., McKay, D., Samek, S., Denny, N., Brunswicker, S., & Klimeck, G. (2015). In the flow: Evolving from utility based social medium to community peer. In S. Adam Matei, M. G. Russell, & E. Bertino (Eds.), *Transparency in social media, tools, methods and algorithms for mediating online interactions* (Vol. 3, pp. 183-196). Switzerland: Springer International Publishing.

Brunswicker, S., & van de Vrande, V. (2014). Exploring open innovation in small and medium-sized enterprises. In H. Chesbrough, W. Vanhaverbeke, & J. West (Eds.), *New frontiers in open innovation* (1 ed., pp. 135-156). Oxford, United Kingdom: Oxford University Press.

Brunswicker, S., Wrigley, C., & Bucolo, S. (2013). Business model experimentation: What is the role of design-led prototyping in developing novel business models? In M. Curley & P. Formica (Eds.), *The experimental nature of new venture creation: Capitalizing on open innovation 2.0 (pp. 139-152).* Switzerland: Springer International Publishing

Brunswicker, S., & Hutschek, U. (2012). Crossing horizons: leveraging cross-industry innovation search in the front-end of the innovation process. In A. Brem & J. Tidd (Eds.), *Perspectives on supplier innovation: theories, concepts, and empirical insights on open innovation and the integration of suppliers (pp. 683-702).* UK: Imperial College Press. Series on Technology Management Vol. 22. London: World Scientific Publishing Company

Brunswicker, S. (2011). An empirical multivariate examination of the performance impact of open and collaborative innovation strategies. Dissertation. IPA-IAO Forschung und Praxis 502. Heimsheim, Stuttgart, Jost-Jetter Verlag.

Brunswicker, S., & Hutschek, U. (2011). Creative escapade: Identifying innovation opportunities in distant industry sectors (German title: Kreative Seitensprünge. Innovationspotenziale anderer Branchen finden und nutzen), in D. Spath (Ed.), *With ideas to success. Technology management in practice (German Title: Mit Ideen zum Erfolg. Technologiemanagement in der Praxis) (pp. 267–270),* Stuttgart: Fraunhofer Verlag.

Brunswicker, S., & Banner, M. (2007). Improving the innovation capability in small and medium-sized firms (Italian title: Lo Sviluppo Delle Competenze per l'Innovazione Nelle Piccole e Medie Impresse). In F. Garibaldo & A. Grandi (Eds.), *Forme organizzative a rete per la competitivita delle PMI: Modelli teorici ed esperienze aziendali (pp. 71-98).* Bologna: Timeo Editore.

Referred Journal Articles (under Review or Revision)

Brunswicker, S. & Prietula, M. (revise & resubmit, 3rd round). Exploring the Interplay between Transparency and Complementor Design Strategies for Crowd Innovation on a Digital Platform. *Organization Science.* (Impact factor 2020: 4.890; Google Scholar Top publications 2020: h5-index 54, rank #17 in Human Resource & Organizations)

Brunswicker, S. and Mukherjee S. (under revision, 1st round). The Microstructure of Modularity in Open Systems Architectures: A Network Theory Perspective. *Industrial and Corporate Change* (ICC), Special Issue on The Power of Modularity Today: 20 Years of "Design Rules" (Impact Factor 2020 3.085, ISI Journal Citation Reports Ranking 2020: rank #92(336) Management; Google Scholar Top publications 2020: h5-index 32)

Brunswicker, S. and Mukherjee S. (under review, 1st round). Evolution of Coordination Structures in OSS Development: An Exponential Random Graph Model. (Impact factor 2020: 7.198, ISI Journal Citation Reports Ranking 2020: rank #23(226) Management; rank #7(85) Information Science & Library Science; Google Scholar Top publications 2020: h5-index 72, rank #2 in Business, Economics & Management: General; included in Financial Times list of Top 50 journals)

Promann, M., & Brunswicker, S. (revise & resubmit, 2nd round). Eco-feedback design: a systematic review. *ACM Transaction on Computer-Human Interactions (TOCHI).* (Google Scholar Top publications 2020: h5-index 35, rank #15 in Human Computer Interaction)

Referred Journal Articles (Published)

Wang C., Brunswicker S., Majchrzak A. (2021) Knowledge search breadth and depth and OI projects performance: a moderated mediation model of control mechanism. *Journal of Knowledge Management* (Impact factor 2020: 5.00, ISI Journal Citation Reports Ranking 2020: rank #23(226) Management; rank #3(85) Information Science & Library Sciences; Google Scholar Top publications 2020: h5-index 68; rank #5 in Business, Economics & Management: Human Resources & Organizations)

Brunswicker, S., Almirall, E., & Majchrzak, A. (2019). Optimizing and satisficing: The interplay between platform architecture and producers' design strategies for platform performance. *Management Information Systems Quarterly* (Impact factor 2020: 7.198, ISI Journal Citation Reports Ranking 2020: rank #23(226) Management; rank #7(85) Information Science & Library Science; Google Scholar Top publications 2020: h5-index 72, rank #2 in Business, Economics & Management: General; included in Financial Times list of Top 50 journals)

Brunswicker S., Priego L.P., Almirall E. (2019) Transparency in policy making: A complexity view. *Government Information Quarterly* 36(3):571–591. (Impact factor 2020: 6.695, ISI

Journal Citation Reports Ranking 2020: rank #8 (8) in Information Science & Library Science; Google Scholar Top publications 2020: h5-index 65, rank #5 in Social Sciences: General)

Brunswicker S., Schecter A. (2019) Coherence or flexibility? The paradox of change for developers' digital innovation trajectory on open platforms. *Research Policy* 48(8):103771 (Impact factor 2020: 8.110, ISI Journal Citation Reports Ranking 2020: rank #26 (226) Management; Google Scholar Top publications 2020: h5-index 95, rank #1 in Business, Economics & Management: Entrepreneurship & Innovation; included in Financial Times list of Top 50 journals)

Bagherzadeh, M., Gurca, A., & Brunswicker, S. (2019). Problem types and open innovation governance modes: A project-level empirical exploration. *IEEE Transactions on Engineering Management.* (Impact factor 2020: 6.146, ISI Journal Citation Reports Ranking 2020: rank #12(49) in Engineering: Industrial)

Brunswicker, S., Jensen, B., Song, C., & Majchrzak, A. (2018). Transparency as design choice of open data contests. *Journal of the Association of Information Science and Technology.* (Impact factor 2020: 2.687, ISI Journal Citation Reports Ranking 2020: rank #39(85) Information Science & Library Science; Google Scholar Top publications 2020: h5-index 55, rank #2 in Library & Information Sciences)

Brunswicker, S., & Chesbrough, H. (2018). The adoption of open innovation in large firms: Practices, measures, and risks. *Research-Technology Management, 61(1), 35-45.* doi: https://doi.org/10.1080%2F08956308.2018.1399022 (Impact factor 2020: 3.395, ISI Journal Citation Reports Ranking 2019: rank #23 (49) in Engineering: Industrial; Google Scholar Top publications 2019: h-index 27)

Bogers, M., Zobel, A.-K., Afuah, A., Almirall, E., Brunswicker, S., Dahlander, L.,… Magnussen, M. (2017). The open innovation landscape: established perspectives and emerging themes across different levels of analysis. *Industry & Innovation, 24(1), 8-40* (Impact factor 2019: 3.424, ISI Journal Citation Reports Ranking 2020: rank #82 (376) in Economics)

Brunswicker, S., Matei, S. A., Zentner, M. G., Zentner, L. K., & Klimeck, G. (2017). Creating impact in the digital space: digital practice dependency in communities of digital scientific innovations. *Scientometrics, 110(1), 417-426*, (Impact factor 2020: 3.238, ISI Journal Citation Reports Ranking 2020: rank #32 (85) in Information Science & Library Science; Google Scholar Top publications 2020: h5-index 61, rank #1 in Library & Information Sciences)

Brunswicker, S., Bilgrim, V., & Fueller, J. (2017). Taming wicked civic challenges with an innovation crowd. *Business Horizons, 60(2), 167-177.* (Impact factor 2020: 6.361; Google Scholar Top publications 2020: h5-index 64; rank #5 in Business, Economics & Management: General)

Brunswicker, S., & Vanhaverbeke, W. (2015). Open innovation in small and medium-sized enterprises (SMEs): External knowledge sourcing strategies and internal organizational facilitators. *Journal of Small Business Management, 53(4), 1241-1263.* doi:10.1111/jsbm.12120 (Impact factor 2020: 4.544, Google Scholar Top publications 2019: h5-index 53; rank #7 in Business, Economics & Management: Entrepreneurship & Innovation)

Brunswicker, S., Bertino, E., & Matei, S. (2015). Big data for open digital innovation: A research roadmap. *Big Data Research, 2(2), 53-58.* (Impact factor 2020: 3.578, ISI Journal Citation Reports Ranking 2020: rank #67 (175) in Computer Science: Artificial Intelligence)

Chesbrough, H., & Brunswicker, S. (2014). A fad or a phenomenon? The adoption of open innovation practices in large firms. *Research-Technology Management, 57(2), 16.* (Impact factor 2020: 3.395, ISI Journal Citation Reports Ranking 2019: rank #23 (49) in Engineering: Industrial; Google Scholar Top publications 2019: h-index 27)

Brunswicker, S., & Ehrenmann, F. (2013). Managing open innovation in SMEs: A good practice example of a German software firm. *International Journal of Industrial Engineering and Management (IJIEM), 4(1), 33-4.*

Brunswicker, S., Hutschek, U., & Wagner†, L. (2012). Exploration in the open innovation front–end: The role of technologies. *International Journal of Technology Intelligence and Planning, 8(1), 1-15.*

Koch, G., Füller, J., & Brunswicker, S. (2011). Online crowdsourcing in the public sector: How to design open government platforms. *Online Communities and Social Computing, 6778, 203-212.* doi:10.1007/978-3-642-21796-8_22

Brunswicker, S., & Hutschek, U. (2010). Crossing horizons: Leveraging cross-industry innovation search in the front-end of the innovation process. *International Journal of Innovation Management, 14(04), 683-702.* (Google Scholar Top publications 2019: h-index 29)

Referred Journal Articles (Currently Prepared for Submission)

Brunswicker, S. and Mukherjee S. (in progress). The Microstructure of Complex Architectures in Open Collaboration: A Theory of Design Network Motifs *Research Policy* (currently revising paper presented at the virtual AOM conference 2020; planned submission by February 28, 2021)

Brunswicker, S. and Mukherjee S. (in progress). Digital Network Folding: The Interplay of Depth of Cohesive Involvement and Openness to Knowledge Diversity for Sustained Development Performance in OSS Co-Developer Networks. *MIS Quarterly* (reject from Information Systems Research after second revision round; currently prepared for submission to *MIS Quarterly*; planned resubmission by March 15, 2021)

Brunswicker, S., & Haefliger, S., Armisen A. (in progress) Modes of Problem-solving and Boundary Spanning in Open Source Software Ecosystems. *Organization Science (*reject from MIS Quarterly after second round, preparation for resubmission*).*

Kulkarni, S. & Brunswicker, S. (in preparation) Deep Q-Learning Agents in Collective Action Games. *Proceedings of the National Academy of Sciences of the United States of America (PNAS).*

Conference Publications (Peer-Reviewed)

Brunswicker, S. and Mukherjee S. (2021, August). Evolution of Coordination Structures in OSS Development: An Exponential Random Graph Model. *Best Paper Proceedings of the 80th Annual Meeting of the Academy of Management.* 2021(1).

Brunswicker S., Mukherjee S. (2020, August) The Microstructure of Complex Design Architectures: A Theory of Design Network Motifs. *Proceedings of the 80th Annual Meeting of the Academy of Management.* 2020(1): 21853.

Wang C., Brunswicker S., Majchrzak A. (2019, August) Control Mechanism of OI Projects in Large Firms: An Empirical Test of a Moderated Mediation Model. Proceedings of the *of the 79th Annual Meeting of the Academy of Management* 2019(1):12670.

Promann, M., & Brunswicker, S. (2018, August). The effect of proximal data structure on perceived group unity. *IEEE Visual Analytics Science and Technology (VAST). Berlin,*

Germany (acceptance rate of 30.4 %, Google Scholar h5-index 15, Ranking 2017: rank #12 in Computer Graphics).

Swan, M., and Brunswicker, S. (2018, August). Blockchain Economic Networks and Algorithmic Trust. *Proceedings of the Americas Conference on Information Systems (AMCIS)*, New Orleans: Association of Information Systems.

Brunswicker, S., & Prietula, M. (2017, August). Transparency and reuse in digital innovation contests: A simulation study. *Proceedings of the 76th Annual Meeting of Academy of Management*. Atlanta, Georgia: Academy of Management.

Promann, M., & Brunswicker, S. (2017, August). Four affordances of eco feedback design. *American Conference on Information Systems (AMCIS)*. Boston, MA: Association of Information Systems.

Kremser, W., Pentland, B. & Brunswicker, S. (2017, July). The continuous transformation of interdependence in networks of routines. Copenhagen: *European Group on Organizational Studies (EGOS) Conference*.

Armisen A. Majchrzak, A., & Brunswicker, S. (2016, November). Formative and Summative Feedback in Solution Generation: The Role of Community and Decision Support System in Open Source Software. *Proceedings of the International Conference of Information Systems (ICIS)*. https://aisel.aisnet.org/icis2016/SocialMedia/Presentations/20/

Matei, S., Brunswicker, S., Zentner, L., Zentner, M., & Klimeck, G. (2016, June*). Digital innovation in eScience: The effect of digital practice on traditional citation-based scientific recognition. Annual Conference of the International Communication Association (ICA)*. Fukuoka, Japan.

Bagherzadeh, M., & Brunswicker, S. (2015, December). Mix and match: Preferred "Mix of open innovation modes" for solving innovation problems. *2nd Annual World Open Innovation Conference*. Santa Clara, California *(Finalist Best PhD Student Paper Award)*.

Johnson, J., Majchrzak, A., & Brunswicker, S. (2015, December). The paradox of minority dissent in corporate innovation challenges. *2nd Annual World Open Innovation Conference*. Santa Clara, California *(Finalist Best Emerging Scholar Paper Award)*.

Bagherzadeh, M., & Brunswicker, S. (2015, August). Governance of knowledge flows in open innovation through revealing and behavioral control. *75th Annual Meeting of Academy of Management*. Vancouver, British Columbia, Canada.

Brunswicker, S., Rodriguez†, J. A., & Wareham, J. (2015, August). Governing standardization through formal and informal standard development organizations. *75th Annual Meeting of Academy of Management*. Vancouver, British Columbia, Canada.

Bagherzadeh, M., & Brunswicker, S. (2014, December). Control wanted? Guided revealing and source choice. *1st World Open Innovation Conference*. Napa, California.

Bagherzadeh, M., & Brunswicker, S. (2014, October). Joint exploration with the enemy-Revealing needed. *The ISPIM Americas Innovation Forum*. Montreal, Canada.

Jensen, B., & Brunswicker, S. (2014, October). The paradox of transparency in online collaboration for innovation. *The ISPIM Americas Innovation Forum*. Montreal, Canada.

Lee*†, M., Almirall, E., & Brunswicker, S. (2014, June). Identifying business models of applications developed using civic open data. *R&D Management Conference 2014*. Stuttgart, Germany.

Brunswicker, S. (2012, August). Open innovation sourcing in SMEs – choice or curse? *72nd Annual Meeting of the Academy of Management*. Boston, Massachusetts.

Brunswicker, S., & Bucolo, S. (2012, July). What is the role of design-led prototyping in developing novel business models? *EGOS Symposium*. Helsinki, Finland.

Wagner, C., Hutschek, U., & Brunswicker, S. (2011, June). Impact of abstraction levels in the fuzzy front end (FFE) of innovation. *XXII ISPIM Conference 2011*. Sustainability in Innovation. Innovation Management Challenges. Hamburg, Germany.

Brunswicker, S. (2010, August). Where to look for external innovation inputs? Investigating the interplay of innovation search and collaboration, performance and innovation management practices. Proceedings of the *70th Annual Meeting of the Academy of Management*. Montreal, Quebec.

Brunswicker, S., & Kianto, A. (2009, June). Taking a closer look into open innovation in small and medium-sized enterprises (SMEs). *R&D Management Conference 2009*. The reality of R&D and its impact on innovation. Vienna, Austria.

Meissner, J., Brunswicker, S., Schweikert, S., & Wolf, P. (2008, June). Scaffolding innovations: Implications of regional innovation barriers for platform-based innovation management improvement. *14th International Conference on Concurrent Enterprising*. A new wave of innovation in collaborative networks. Lisbon, Portugal.

Stabe*, M., Brunswicker, S., & Warschat, J. (2008, June). Opening ' towards ' open innovation. *14th International Conference on Concurrent Enterprising*. A new wave of innovation in collaborative networks, Lisbon, Portugal.

Brunswicker*, S., & Seymour, R. (2006, November). Surprise! Look who's capturing the value created from a design excellence award. International Conference on Strategic Innovation and Creativity in Brand & Design Management. Seoul, Korea.

Conference Summaries and Abstracts (Peer-reviewed)

Brunswicker, S., Elkady, M. & Patel, F. (2021, June). Submissions to a COVID-19 Data Science Challenge: The Role of Skills and Platform Engagement. *Collective Intelligence (CI) 2021*

Brunswicker, S., & Mukherjee, S. (2018, July). Spatial and temporal separation in coordination structures in OSS. *4th International Conference on Computational Social Science (IC2S2)*. Chicago, United States.

Mukherjee, S., & Brunswicker, S. (2018, June). Functional coordination in developer's network in open source software. *International School and Conference on Network Science (NetSci 2018)*. Paris, France.

Brunswicker, S. & Mukherjee, S. (2018, February). The dynamics of design microstructures in open collaboration: A motif perspective. *Organization Winter Conference 2*. Park City, Utah: Informs.

Brunswicker, S., & Prietula, M. (2017, July). Transparency and re-use patterns of open digital crowd contests: Linking empirical and computational approaches. *3rd International Conference on Computational Social Science (IC2S2)*. Cologne, Germany.

Mukherjee, S., & Brunswicker, S. (2017, July). Problem-centric network embeddedness and productivity in open source software communities. *The 2017 International Conference on Computational Social Science (IC2S2)*. Cologne, Germany.

Brunswicker, S., & Prietula, M. (2017, February). Re-use in open crowds: Linking empirical and computational approaches. *Organization Science Winter Conference 23*. Park City, Utah: Informs.

Hsiang, C.-Y., Armisen, A., & Brunswicker, S. (2016, July*). Knowledge reuse in innovation crowds: The role of semantic heterogeneity. *2ⁿᵈ International Conference on Computational Social Science (IC2S2)*. Northwestern University, Chicago.

Hsiang, C.-Y., Brunswicker, S., & Armisen, A. (2016, July). Knowledge integration in innovation crowds: The interplay of anonymity and semantic heterogeneity. *Collective Intelligence (CI)*, 2016.

Armisen, A., Brunswicker, S., & Haefliger, S. (2016, March). Who solves whose problems? Academic *Workshop on Organizing for Digital Innovation, University of Amsterdam, KIN Group*. Amsterdam, Netherlands. Retrieved fromhttps://www.youtube.com/watch?v=J2NQDl7G3Yo

Brunswicker, S. (2015, August). Researching open innovation: Theoretical and empirical approaches at different levels of analysis. Invited expert of the Professional Development Workshop (PDW). *75th Annual Meeting of Academy of Management*. Vancouver, British Columbia, Canada.

Brunswicker, S., Almirall, E., Johnston, E., & Mergel, I. (2015, August). Opening governance with a public intent: Studying opening governance at multiple scales. Featured Panel Symposium All-Academy Theme (AAT). *75th Annual Meeting of Academy of Management*. Vancouver, British Columbia, Canada.

Almirall, E. & Brunswicker, S. (2015, July). Transparency design and generative governance of innovation in digital ecosystems. *3rd Annual Research Symposium on Complexity and IT*. Montpellier, France.

Brunswicker, S., & Hsiang, C. (2015, May). Decomposing the architecture of innovative mobility solutions developed by a civic innovation crowd: A network perspective. *Computational Social Science Summit (CSSS)*. Chicago, United States.

Brunswicker, S., Steven, N., Butler, B., & Wagner, C. (2014, December). The evolution of ideas by crowds and communities: Competition versus cooperation. Featured Panel *Symposium held at the International Conference of Information Systems (ICIS)*. Auckland, New Zealand.

Brunswicker, S. (2014, August). Researching open innovation: Theoretical and empirical approaches at different levels of analysis. Invited expert of the Professional Development Workshop (PDW). *74th Annual Meeting of the Academy of Management*. Philadelphia, Pennsylvania.

Brunswicker, S., Afuah, A., Fueller, J., Lakhani, K. R., Leimeister, J. M., & Majchrzak, A. (2014, August). Resolving the debate on competition versus collaboration in open innovation crowds. Featured Panel Symposium held at the *74th Academy of Management Meeting*. Philadelphia, Pennsylvania.

Ehrenmann, F., & Brunswicker, S. (2012, September). Managing open innovation in SMEs: The CAS software AG case study. *5th International Conference on Mass Customization and Personalization in Central Europe (MCP-CE 2012)*. Novi Sad, Serbia.

Publications in Business and Trade Journals

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Kapur, M. (2017). *Open innovation at Bosch.* Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Kawalec, T. (2017). *Open innovation at Eli Lilly*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Elser, B. (2017). *Open innovation at Evonik Industries*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Smith, S. (2017). *Open innovation at Ford Motor Companies*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Roberts, G. (2017). *Open innovation at HB Labs*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Yu, J. (2017). *Open innovation at Huawei Technologies*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Kapur, M. (2017). *Open innovation at Pfizer*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., Bagherzadeh†, M., & Kim, J.-W. (2017). *Open innovation at Samsung*. Accenture Research. Retrieved from https://www.accentae.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., & Brunswicker, S.& Bagherzadeh†, M. (2017). *Open innovation: Smart solutions for the R&D Pipeline*. Accenture Research. Retrieved from https://www.accenture.com/us-en/insight-open-innovation-smart-solutions-pipelines

Narsalay, R., Brunswicker, S., & Bagherzadeh†, M. (2016). *Four Approaches to Open Innovation* (3rd ed., pp. 8–13). Beijing: Accenture.

Almirall, E., & Brunswicker, S. (2014). "Internet of things", big data y small data: infinitas posibilidades de análisis. *Harvard Deusto Márketing y Ventas* (120), 32-37 (*Spanish Manager Magazine* – The Spanish Harvard Business").

Chesbrough, H., & Brunswicker, S. (2013). *Managing open innovation in large firms. Fraunhofer-Verlag*. Stuttgart: Fraunhofer-Verlag. (174 citations on Google Scholar in September 2018).

Engel, K., Diedrichs, E., & Brunswicker, S. (2012). Improve: high-impact innovation management consulting services for small and medium-sized enterprises (SMEs). *Europe INNOVA Paper* (Vol. 18). Luxembourg: European Commission, Directorate-General for Enterprise and Industry.

Brunswicker, S., & Diedrichs, E. (2011). Gaining competitiveness with innovations beyond technology and products. *Insights from IMP³rove*. www.improve-innovation.edu: IMP3rove Global Coordination Team.

Brunswicker, S., & Diedrichs, E. (2010). Innovation management in high-growth SMEs from the knowledge-intensive services (KIS). Setting the pace for growth in Europe. *Insights from IMP³rove*: IMP³rove Global Coordination Team.

Engel, K., Diedrichs, E., & Brunswicker, S. (2010). Imp³rove. A European project with impact. 50 success stories on innovation management. *Europa Innova Paper Series* (Vol. 14). Luxembourg: European Commission, Directorate-General for Enterprise and Industry.

Brunswicker, S., Bhardwaj, G., & Gonzalez, D. (2009). Empowering Europe's future. A future-oriented approach to exploiting clusters as a driver of innovation and growth. *Performance, 2*(2), 4–17.

Diedrichs, E., & Brunswicker, S. (2009). Leveraging innovation for growth in a downturn. Insights from knowledge intensive service firms (German Title: Mit Innovation Auf Wachstumskurs in Der Krise. Erfolgsgeheimnisse Wissensintensiver Dienstleister). *Journal Arbeit, 9*(1), 23–24.

Engel, K., Diedrichs, E., & Brunswicker, S. (2008). Insights on innovation management in Europe. Tangible Results from Imp³rove *Europe INNOVA Paper* (Vol. 10). Luxembourg: European Commission, Directorate-General for Enterprise and Industry.

Bullinger, H. J., Bannert, M., & Brunswicker, S. (2007). Managing innovation capability in SMEs: the Fraunhofer three-stage approach. *Asia-Pacific Tech Monitor, 24*(3), 17-27.

Reports (Governmental, Industry, or Academic)

Brunswicker, S., Bagherzadeh, M., Lamb, A., Narsalay, R., & Jing, Y. (2016). *Managing Open Innovation Projects with Impact*. West Lafayette: Research Center for Open Digital Innovation., https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2821203

Brunswicker, S., Chesbrough, H., & Bagherdazeh, M. (2016). Global Open Innovation Executive Study 2015.

Chesbrough, H., & Brunswicker, S. (2013). Managing Open Innovation in Large Firms *Fraunhofer-Verlag*. Stuttgart: Fraunhofer-Verlag.

Engel, K., Diedrichs, E., & Brunswicker, S. (2012). Improve: High-Impact Innovation Management Consulting Services for Small and Medium-Sized Enterprises (SMEs). *Europe INNOVA Paper* (Vol. 18). Luxembourg: European Commission, Directorate-General for Enterprise and Industry

Brunswicker, S., & Diedrichs, E. (2011). Gaining Competitiveness with Innovations Beyond Technology and Products. *Insights from IMP³rove*. www.improve-innovation.edu: IMP3rove Global Coordination Team.

Brunswicker, S., & Diedrichs, E. (2011). Gaining Competitiveness with Innovations Beyond Technology and Products. *Insights from IMP³rove*. www.improve-innovation.edu: IMP3rove Global Coordination Team.

Brunswicker, S., & Diedrichs, E. (2010). Innovation Management in High-Growth SMEs from the Knowledge-Intensive Services (KIS). Setting the Pace for Growth in Europe. *Insights from IMP³rove*: IMP³rove Global Coordination Team.

Engel, K., Diedrichs, E., & Brunswicker, S. (2010). Imp³rove. A European Project with Impact. 50 Success Stories on Innovation Management *Europa Innova Paper Series* (Vol. 14). Luxembourg: European Commission, Directorate-General for Enterprise and Industry. Brunswicker, S., & Diedrichs, E. (2010). Innovation Management in High-Growth SMEs from the Knowledge-Intensive Services (KIS). Setting the Pace for Growth in Europe. *Insights from IMP³rove*: IMP³rove Global Coordination Team.

Engel, K., Diedrichs, E., & Brunswicker, S. (2008). Insights on Innovation Management in Europe. Tangible Results from Imp³rove *Europe INNOVA Paper* (Vol. 10). Luxembourg: European Commission, Directorate-General for Enterprise and Industry

IMP³rove European Coordination Team. (2006). European innovation management landscape. Assessment of current practices in innovation management consulting approaches and self-assessment tools in Europe to define the requirements for future "best practices". Europe INNOVA Paper 2, Luxembourg. Germany.

Invited Scholarly Publications and Presentations *(excerpt)*

Brunswicker, S. (2020, June 9). Responding to the crisis with digital innovation. ISPIM Virtual, www.ispim-virtual.com.

Brunswicker, S. (2018, September). Open for openness: A double-edged sword. Invited keynote speech at the *uniko conference "Inclusive science: the pros and cons of open science and citizen science" (co-organized with the BE OPEN – Science & Society Festival* as part of the Austrian presidency of the Austrian EU Council presidency), Vienna, Austria.

Brunswicker, S. (2017, November). Human-AI Interaction. Invited panel presentation at the *Symposium for Artificial Intelligence and US: The Reality of Our Automated Future.* Purdue Policy Research Institute (PPRI), Purdue University, West Lafayette, IN.

Brunswicker, S. (2017, June). Open innovation in healthcare. Invited keynote speech at *the Inaugural Meeting of the Innobics Program. Catalan Institute of Health (ICS),* June 30th, 2017, Barcelona, Spain (top tweet of the day, twitter Barcelona).

Brunswicker, S. (2016, November). Innovation on open digital platforms: Simulating the effect of developer strategies on the interplay between platform complexity and platform performance. Invited presentation at the *Northwestern Institute for Complex System (NICO): Seminar Series*; https://www.youtube.com/watch?v=jknkoibMLes.

Brunswicker, S. (2016, October). Invited Seminar: Open innovation in the digital age. Invited Presentation. *Tepper School of Business Seminar Series*, Carnegie Mellon University. Pittsburgh, Pennsylvania.

Brunswicker, S. (2016, August). Open Innovation: New Enlightenment? Participation – Democratization – New Solutions. Invited panel presentation. Invited panel participation *Alpbach Technology Symposium 2016 New Enlightenment*, Alpbach, Austria.

Brunswicker, S. (2016, May). Open Innovation in the Digital Age. Fostering generativity through openness. Final keynote at the *Open Innovation 2.0 Conference*. Amsterdam, The Netherlands.

Brunswicker, S. (2016, April). Leading innovation in the digital age. Keynote speech. *Innovation Symposium*, Tsinghua University, Beijing. China.

Brunswicker, S. (2015, June). "Designing" the future of open innovation 2.0 2015. Final keynote at the *Open Innovation 2.0 Conference*. Espoo, Finland.

Brunswicker, S. (2014, June). Transforming business and driving growth through open innovation. Invited keynote. *World Economic Forum CEO Workshop* (upon invitation by Nicolas Davis, Director, World Economic Forum Europe). Berlin, Germany.

Brunswicker, S. (2014, April). Measuring science impact in scientific cyberinfrastructures. Invited presentation. *Analytics and Sustainability, NCN Site Visit NSF 2014* (upon invitation of Prof. Klimeck and NSF), Purdue University. West Lafayette, IN.

Brunswicker, S., (2014, September). Uncovering the mechanism of innovation in ecosystems. Invited scholarly presentation and research seminar. *Seminar Series of the Management of Technology & Entrepreneurship Institute* (upon invitation of Dr. Tucci, (Chair and Dean) and Dr. Finger (Chair), EPFL. Lausanne, Switzerland.

Brunswicker, S. (2014, March). Standards: Can they spur or kill innovation? Invited presentation at the *Innovation Convention 2014,* European Commission. Brussels, Belgium.

Brunswicker, S. (2013, August). Open cities & commons for Europe: bringing open innovation to smart cities. Invited presentation. *OCIS Plenary Panel: Technology for Societal Change,*

Annual Meeting of the Academy of Management 2013 (upon invitation by Prof. Youngjin Yoo, Temple University). Orlando, FL.

Brunswicker, S. (2013, May) Models for open innovation. Invited keynote speech at the *Open Innovation 2.0 Conference. Sustainable Economy & Society – Stability. Jobs. Prosperity.* Co-organized by the European Commission, ISPIM, Trinity College Dublin (upon invitation by Prof. Martin Curley and Bror Salmelin, European Commission). Dublin, Ireland.

Brunswicker, S. (2012, October) open innovation in SMEs. *Open innovation Speaker Series 2012.* Haas School of Business. Garwood Center for Innovation. University of California (upon invitation by Prof. Henry Chesbrough). Berkeley, CA.

Brunswicker, S. (2011, May). Creative escapades – why are they so 'rare' in an innovation context? (German title: Kreative Seitensprünge - Warum fallen diese im Innovationskontext so schwer?). E&I People at the Vienna University of Economics and Business. *Institute for Entrepreneurship and Innovation* (upon invitation of Prof. Franke). Vienna, Austria.

Brunswicker, S. (2011, April). Open innovation in SME and cross boundary innovation sourcing. *Open innovation Speakers Series 2011.* Haas School of Business, Garwood Center for Innovation. University of California (upon invitation by Prof. Chesbrough). Berkeley, CA.

Brunswicker, S. (2010, July). Cross-industry innovation. Invited Seminar. *Executive Program International Innovation and Technology Management.* LIMAK Johannes Kepler University. Stuttgart, Germany.

Brunswicker, S. (2010, June). Open innovation: leveraging external knowledge and innovation networks to profit from innovation. *Summer Session Open Day of the Innovation Value Institute (IVI).* National University of Ireland, Maynooth (upon invitation of Prof. Martin Curley). Dublin, Ireland.

Brunswicker, S. (2009, October). The networked SME: taking a closer look into open and collaborative innovation in European small and medium-enterprises (SMEs). *Open Innovation Speakers Series 2009.* Haas School of Business, Garwood Center for Innovation. University of California (upon invitation by Prof. Henry Chesbrough). Berkeley, CA.

Presentation to Practitioners and Industry Thought Leaders *(excerpt)*

Brunswicker, S. (2020, December 4). *Is Open Source Software Eating the World?* Opening Speech at Symposium on Open Sources Software co-organized by Purdue Policy Research Institute (PPRI) and the Research Center for Open Digital Innovation (RCODI), Purdue University https://www.youtube.com/watch?v=RfM5MXIv9_8

Brunswicker, S., Adibuzzman, M., Zentz, G., & Arnold, B. (2020, July). *COVID-19 Data Science Challenges powered by IronHacks.* Innovation + Commercialization = Impact. Panelist/Speaker at Purdue Foundry Grounds; https://www.facebook.com/watch/?v=279867483116284

Brunswicker, S. (2017, May). *Purdue-UNAL Goldironhacks Spring 2017 - Award Ceremony. Opening Speech,* National University of Colombia (UNAL), Bogota.

Brunswicker, S., Promann, M., & Shevade, P. (2017, April). *Hacking with Social Impact - Turning Open Data into Digital Innovations.* Invited Presentation, Innovation Summit, Purdue University, West-Lafyette, Indiana.

Brunswicker, S. (2016, December). *Open for Openness: it is the only choice*. Keynote Speech presented at Open2016!, Stuttgart, Germany.

Brunswicker, S. (2016, June). *From Open Source towards Open Innovation: Fostering Corporate Innovation with Open Source Software (OSS) Communities*. Presentation presented at the Red Hat Summit 2016, San Francisco, California.

Brunswicker, S. (2016, May). *Open Innovation in the Digital Age: Fostering Generativity through Openness*. Closing Plenary presented at the Open Innovation 2.0 Conference 2016, Amsterdam, The Netherlands.

Brunswicker, S. (2016, February). *Innovating in an Open and Digital Innovation Landscape*. Plenary Speech presented at the 3rd Annual ABE Graduate Industrial Research Symposium: "Ingredients for Innovation," West Lafayette, Indiana.

Haefliger, S., Brunswicker, S., & Armisen, A. (2016, April). *Open Collaboration: Who solves who's problem?* Presented at the Innovation, Creativity & Leadership: ICLCity2016, London.

Brunswicker, S. (2015, December). *Shaping the Future of Open Innovation*. Invited speech presented at the 7th European Innovation Summit of the European Parliament, Brussels, Belgium.

Brunswicker, S. (2014, June). Transforming business and driving growth through open innovation. Invited keynote. *World Economic Forum CEO Workshop* (upon invitation by Nicolas Davis, Director, World Economic Forum Europe), Berlin, Germany.

Brunswicker, S. (2014, November). Open Innovation in the food sector: Not a fad but a phenomenon. Invited keynote and joint panel with senior executives from BASF Nutrition & Health and PepsiCola. *International at the global foodmatters Live Conference*, London, UK.

Brunswicker, S. (2013, October). Open Innovation: Hype or trend? Keynote at *Red Hat Partner Conference*, Madrid. Spain.

Brunswicker, S. (2013, April). Open innovation: A new paradigm for managing innovation. *G20 Inclusive Business Workshop*. Mumbai, India

Brunswicker, S. (2012, November). Open innovation: Connected to success (German title: Vernetzt zum Erfolg). Keynote. *ITG Innovationstag Salzburg*, Salzburg, Austria.

Brunswicker, S. (2012, October). Open Innovation and smart sustainable cities. Keynote speech at the *2nd Fraunhofer Innovation and Technology Platform India*, Bangalore, India.

Brunswicker, S. (2012, September). Open innovation in Germany (German Title: Open Innovation im Mittelstand: Mit Offenheit zum Erfolg). Keynote. *EURIS Event "Neue Wege zu Innovation"*, Stuttgart, Germany

Brunswicker, S. (2012, May). Beyond High-tech and New Products: The Role of Openness and Services Innovation in SMEs. Keynote at *INSME Conference and Annual Member Meetin*g, Daejeon, Korea.

Brunswicker, S. (2012, May). Open innovation: Connected to success (German title: Vernetzt zum Erfolg). Keynote speech at *2. Mannheimer Open Innovation Forum, Mannheim*, Germany.

Brunswicker, S. (2012, May). Managing innovation: Leveraging innovation networks to profit from innovation. Keynote speech at *Council of Chief Financial Officers*, Munich, Germany.

Brunswicker, (2012, March). Leveraging open innovation for smart urban mobility. Speech at *FIT India on Urban Mobility*, New Delhi, India.

Brunswicker, S. (2012, February). Innovation networks. Keynote speech at *Frühjahrstagung Analyse-Bio- und Labortechnik. Spectaris Verband*, Jena, Germany.

Brunswicker, S. (2011, September). Innovation networks and communities. Trends and issues. *Keynote speech at Open Innovation Seminar, Sao Paolo*, Brazil.

Brunswicker, S. (2011, November). Measuring innovation management: A new instrument for measuring the innovation capability of innovation clusters (German title: Innovationsmanagement messen. Ein Instrument zur Bewertung der Innovationsfähigkeit von clusterunternehmen). Invited speaker at the *bodenseeAIRea Clustertreffen*, Friedrichshafen, Germany.

Brunswicker, S. (2011). Open innovation - Leveraging external innovation sources to profit from innovation. Open Innovation Session at *IPEMTECH 2011*. Berlin, Germany.

Brunswicker, S. (2011, September). Open innovation: With open innovation strategies to success (German title: Mit offenen Innovationsstrategien zum Erfolg). Keynote speech at *Innovation Day 2011 (Innovationstag 2011*), Tracto-Technik, Gelsenkirchen, Germany.

Brunswicker, S. (2011, September). Open innovation at the regional level. Keynote speech at *Kick-off OpenAlps Project*, Black-Forrest-Baar-Heuberg, Villingen-Schwenningen, Germany.

Brunswicker, S. (2011, September). Open innovation und connected value creation (German title: Open innovation und vernetzte Wertschöpfung) Keynote speech at *Annual Meeting of Photonics BW e.V. Association*, Stuttgart, Germany.

Brunswicker, S. (2011, March). Open innovation: Leveraging external innovation sources to propel innovation (German title: Externe Innovationsimpulse erfolgreich nutzen). Keynote and panel member at the *CEBIT, Webciety, Hannover*, Germany.

Brunswicker, S. (2011, June). Open innovation. Practitionar seminar at the *IHK Innovationsforum*. IHK Lahn-Dillenburg, Germany.

Brunswicker, S. (2009, September). The next generation of innovation management. Invited speaker at the think tank meeting of the *Global Thought Leadership Team of Ernst & Young*, Frankfurt, Germany.

Brunswicker, S. (2009, September). Connected to success. Does openness matter? (German title: Mit Vernetzung zum Erfolg: Welche Rolle spielt Vernetzung und Offenheit im überlegenem Innovationsmanagement) Keynote speech at the *International Open Innovation Forum, Fraunhofer-IAO*, Stuttgart, Germany.

Brunswicker, S. (2009, November). Creating value with industrial research. Presentation at the *Research to Business Conference (R2B) Bologna*, Italy.

Brunswicker, S. (2009, May). Improving the impact of research on SMEs. New forms of "transfer" from research to SMEs. Key note speech and panel participation at *European Association of Research and Technology Transfer Organizations (EARTO) Annual Conference*, Paris, France.

Brunswicker, S. (2008, November). Innovation due diligence. Convincing your investor through Innovation Management (German title: Mit systematischen innovationsmanagement investoren überzeugen). *Expofin*, Augsburg, Germany

Brunswicker, S. (2008, November). Clusters and technology transfer. (German title: Erfolgscluster und technologietransfer – Erfolg durch kooperation) Keynote speech at *Commerzbank, Frankfurt*, Germany.

Media and Press Featuring Scholarly Work *(excerpt)*

O'Malley, J. (2021, January 29). Polytechnic professors deliver Protect Purdue-related research—Purdue Polytechnic Institute. https://polytechnic.purdue.edu/newsroom/polytechnic-professors-deliver-protect-purdue-related-research

Young, J. (2020, December 15). Online or In Person: Which Choice Aced the Pandemic Semester? (No. 8). In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-12-15-online-or-in-person-which-choice-aced-the-pandemic-semester

Purdue Today (2020, November 23). Hackathon to research some local COVID-19 risks using data science. Purdue Today. https://www.purdue.edu/newsroom/purduetoday/releases/2020/Q4/hackathon-to-research-some-local-covid-19-risks-using-data-science.html

Young, J. (2020, November 7). What Lessons Have Emerged From the Pandemic Semester? (No. 7) [Podcast]. In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-11-17-what-lessons-have-emerged-from-the-pandemic-semester

Young, J. (2020, November 3). High Stakes, High Anxiety: How the Lead-Up to Election Day Looked on Six Campuses (No. 6) [Podcast]. In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-11-03-high-stakes-high-anxiety-how-the-lead-up-to-election-day-looked-on-six-campuses

Young, J. (2020, October 20). Who Is Missing From College During the Pandemic? A Lot of Students, Actually (No. 5) [Podcast]. In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-10-20-who-is-missing-from-college-during-the-pandemic-a-lot-of-students-actually

Young, J. (2020, October 6). With No Study Buddies, More College Students Turn to Cheating (Podcast). In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-10-06-with-no-study-buddies-more-college-students-turn-to-cheating

Young, J. (2020, September 22). During a Pandemic, Can College Be … Fun? (No. 3) [Podcast]. In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-09-22-during-a-pandemic-can-college-be-fun

Young, J. (2020, September 2). Is this college? (No. 2). In Pandemic Campus Diaries: A Podcast Series. EdSurge. https://www.edsurge.com/news/2020-09-08-is-this-college-students-and-professors-reflect-on-a-weird-first-week-of-classes

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Software and Other Digital Products

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RESEARCH GRANTS & DONATIONS

Research grants & donations under review or preparation

06/2022 to 05/2025	Increasing accountability in Open Source Software Supply Chain Ecosystems, Sponsor: National Science Foundation, Multiple Division; Interdisciplinary Program on Designing Accountable Software Systems (DASS), **Co-Principle Investigator.** Total Award: $450,000, to be submitted on 01/28/2021
06/2022 to 05/2024	Improving Access to Justice: Using Social Artificial Intelligence to Deliver Legal Advice, Sponsor: National Science Foundation, Division of Social and Behavioral Sciences (SBE); Program on Science & Law**, Principle investigator.** Total Award: $390,000, to be submitted on 01/18/2021
07/2022 to 06/2025	HCC: Medium: Combining Artificial and Crowd Intelligence to Accelerate Science-Industry Translation at Scale: A Series of Field Experiments, Sponsor: National Science Foundation, Division of Social and Behavioral Sciences (SBE): Science of Science and Communication Impact: **Principle Investigator** (with Christopher Brinton, ECE Purdue University), Total Award $1,818,023, Investigator Award: $1,151,512, to be submitted in February 2022

Research Grants & Donations Awarded (excerpt)

09/2021 to 02/2022	Simulating impact of Governance Structures on Participation of SMEs in Defense Contracting, Sponsor: DARPA, **Co-Principle Investigator**, Total Award $200,000; Investigator Award: 67,517.00.
07/2020 to 12/2020	Protect Purdue Innovation Faculty Grants: A COVID-19 Data Science Challenge to Monitor and Predict Social Movements in the Greater West-Lafayette Area, Sponsor: Purdue University, **Principle Investigator**, Total Award $20,000.
03/2018 to 06/2018	Non-lab Equipment Grant, Sponsor: Executive Office of the Vice President for Research (EVPR), Sponsor: Purdue University, **Principle Investigator,** Total Award $19,470.
09/2017 to 12/2022	S&CC-IRG Track 1: Sociotechnical systems to enable smart and connected energy-aware residential communities, Sponsor: National Science Foundation, Smart & Connected Communities (S&CC) Program, **Co-Principle Investigator**, responsible for Behavioral Studies on Data-driven Eco-feedback and Digital Nudging (with **Principle Investigator** Panagiota Karava, Civil Engineering and 8

	additional faculty members from the College of Engineering (Mechanical Engineering), Krannert (Economics), Purdue Polytechnic Institute (TLI & CNIT), Liberal Arts (Political Science, Communication), Total Award: $3,581,912.00, Investigator Award Amount: $299,155.00, Investigator Credit: 0.20 Center Credit: 0.7
08/2018 to 06/2021	Non-Academic Research Internships for Graduate Students (INTERN) Supplemental Funding for NSF Grant Award Number #1462044; Creating Impact from Governmental Open Data (OD); Innovation Process Transparency in OD Contest Design, Sponsor NSF, **Principle Investigator,** Total Award and Investigator Award: $47,728
07/2017 to 06/2019	Affordable Net Zero Solutions and Smart Homes, Discovery Park Big Idea Competition; Sponsor: Discovery Park and Colleges Purdue University, **Research Team Member** responsible for Information Design and Behavioral Analytics (with Leigh Raymond, Political Science, College of Liberal Arts, Purdue University as Principle Investigator), Total Award: $300,000, Investigator Award: $50,000
06/2017 to 08/2017	Major Scientific Equipment Grant, Sponsor: Executive Office of the Vice President for Research (EVPR) Purdue University, **Principle Investigator,** Total Award (=Investigator Award) $15,000,
01/2017 to 12/2017	Purdue IronHacks, Sponsor: Dean's Office Purdue Polytechnic Institute, **Principle Investigator,** Total Award/Investigator Award: $22,000,
12/2017 to 12/2018	Open Data Hacking Sponsorship; Donation, Donor: Red Hat Inc. Raleigh, North Carolina, **Principle Investigator,** Total/Investigator Award: $3000,
08/2016 to 07/2017	Balancing the Grid through Energy Monitoring Systems: Information Visualization for Collective Awareness; Sponsor: Dean's Office Purdue Polytechnic Institute, Dean's Graduate Assistant Award for Outstanding Research Proposals, **Principle Investigator,** Total Award/Investigator Award: $23,000
08/2016 to 10/2016	Biomedical Big Data Hacking for Civic Health Awareness; Sponsor: NIH, **Co-Principle Investigator** (with Bethany McGowan as Principle Investigator) Total Award: $5000
07/2015 to 06/2021	Creating Impact from Governmental Open Data (OD): Innovation Process Transparency in OD Contest Design, Sponsor: NSF, Program of Science of Science and Innovation Policy (SciSIP), $238,641,29, **Principle Investigator** (with Ann Majchrzak, USC as consultant) Total Award/Investigator Award: $238,641,29,
06/2015 to 05/2020	Red Hat® Doctoral Researcher on Open Innovation Communities; Donation, Donor: Red Hat Inc., Raleigh, North Carolina, **Principle Investigator,** Total Award/Investigator Award: $100,000;
04/2015 to 12/2016	Managing Open Innovation in Large Firms: Case Study Analysis; Sponsor: Accenture High Performance Institute, Chicago, **Principle Investigator,** Total Award/Investigator Award: $63,531,32,
01/2015 to 08/2015	Conceptualization of the Social and Innovation Opportunities of Data Analysis, Sponsor: NSF, Program CISE, CIF21 DIBBS, **Co-Principle Investigator** (with Mike Zentner; Principle Investigator; Purdue University), Investigator Award: $99,718,
07/2014 to 11/215	Global Open Innovation Executive Survey 2015, Sponsor: University of Berkeley, Garwood Center for Corporate Innovation, **Principle Investigator,** Total Award/Investigator Award: $25,000,

03/2015 to 12/2075	Open Innovation Community Research, Donation, Donor: Landcare Research, Gerald Street, Lincoln, New Zealand 7608; **Principle Investigator** (with Jeremiah Johnson and Ann Majchrzak), Total Award/Investigator Award: $10,000
01/2014 to 12/2015	Research on CyberInfrastructures and Behavioral Analytics, Purdue Internal Funding through nanoHUB.org, NCN supported RCODI Discovery Efforts of a Doctoral Student, Principle Investigator, Investigator Award: with $18,201
2014-2015	Exploratory Research in the Social Sciences, College of Liberal Arts and Executive Office of the Vice President for Research (EVPR), $50,000 **Co-Principle Investigator** (with Sorin Matei, Brian School of Communication and Gerhard Klimeck, ECE), Investigator Award: $25,000
2014	Open Strategies; Sponsor: PCRD (Purdue Center for Regional Development), **Principle Investigator,** Investigator Award: $ 10,066;
2012-2013	Business Model Innovation, Industry Sponsor: Wittgenstein (leading German manufacturer/supplier), **Principle Investigator,** Investigator Award: EUR 140,000,
2012-2013	Global Open Innovation Survey, Sponsor: University of Berkeley, Garwood Center of Corporate Innovation, **Principle Investigator,** Investigator Award: EUR 10,000,
2012	Business Transformation and Disruptive Innovation in Small and Medium-sized Enterprises; Sponsor: Queensland Manufacturing Institute (QMI), Brisbane, Australia, **Principle Investigator,** Investigator Award: EUR 80,000,
2011-2012	Build4Future Study on Innovation in the Construction Sector; Sponsor: Consortium of Construction Firms in the Region of Bolzano, Italy, **Co-Principle Investigator,** Investigator EUR 200,000;
2006 -2012	IMP³rove Initiative for Improving Innovation Management Performance in Small and Medium-sized Enterprises with Sustainable Impact, Sponsor: 7th Framework program, European Commission; Directorate General (DG) Enterprise; **Principle Investigator** (jointly with Dr. Eva Diedrichs and Dr. Kai Engel, AT Kearney), Total Award: EUR 7 million; Investigator Award: EUR 1 million
2011	Information and Communication Technologies (ICT) Labs: R&D alliances and intellectual property management (IP); Sponsor: 7th framework program, European Commission funding related to the European Institute of Technology (EIT), EUR80,000; **Co-Principle Investigator** (jointly Dr. Gunnar Brink, Fraunhofer Gesellschaft), Investigator Award: EUR80,000;
2011	Breakthrough Innovation, Portfolio Management, and Strategic Renewal, Sponsored Research Grant, Sponsor: SAP AG, Walldorf, Germany; **Principle Investigator,** Total/Investigator Award: EUR 150,000,
2011	Digital Innovation and Lifecycle Management: Sponsored Research Project, Sponsor: SAP AG, Walldorf, Germany, **Principle Investigator, Total/**Investigator Award: EUR 30,000,
2011	Cross Industry Innovation; Sponsor: Porsche AG; Stuttgart. Germany; **Principle Investigator**

PHD AND MASTER STUDENTS

Current Ph.D. and Master Students

Manthan Keim (MSc in Computer Science and Engineering, MAIT, India), Master in Technology & Leadership with a concentration in digital innovation, research on natural language processing and big data infrastructures, expected graduation in 2023 [chair]

Elisabeth Thompson (MA in Communication), PhD in Technology with a concentration in digital innovation, expected graduation 2024 [chair]

Iryna Ashby (BSc in Interaction Design, Purdue University) PhD in Engineering Sciences with a focus on emergence of interdisciplinarity in scientific teams, Purdue University, expected graduation 2024 [committee members]

Jia Lin Cheoh (BSc in Computer Science, Purdue University), PhD in Technology with a concentration in digital innovation; research area: artificial intelligence and machine learning, Purdue University expected graduation 2025 [chair]

Vineet Mohanty (MSc in Mechanical Engineering, Purdue), PhD in Technology with a concentration in digital innovation, research areas: digital innovation, network analytics, Open Source Software (OSS) supply-chains; expected graduation in spring 2026 [co-chair]

Prior Ph.D. and Master Students (Including Graduated Ones)

Marlen Promann (MSc in Communication & Media, London School of Economics), Interdependent Interdisciplinary Graduate Program [IIGP], Purdue University, research area: data visualization for energy conversation; graduated in fall 2021 [co-chair] current position: tbd.

Christopher Roland, School of Communication, Doctor of Philosophy, Choice Facilitation in Online Consumer Choices, graduated in 2019 [committee member] current position: Assistant Professor, University of Central Arkansas, Communication

Bjoern Jensen, College of Liberal Arts, Purdue University, Ph.D. student in Organizational Communication and Business Administration, concentration in open digital innovation, successfully graduated in May 2017 [co-chair with Sorin Matei, Brian School of Communication], current position: Director of Customer Engagement, Powered by Action, Chicago, IL

Philip Munyua, Purdue Polytechnic Institute, Doctor of Philosophy, concentration in open digital innovation, successfully graduated in May 2016 [chair], current position: Data Science & AI consultant, New York, NY

Mehdi Bagherzadeh, ESADE Business School, Spain, Ph.D. in Management Sciences, successfully graduated Fall 2016 with "cum laude" [co-chair], current position: Associate Professor of Innovation Management, NEOMA Business School, Reims Area, France

Zhuonan Song (Charles), Master in Industrial Technology, concentration in open digital innovation, successfully graduated in August 2016 [chair], current position: Software Engineer at Lyft, Seattle, WA

Srikant Rao, Purdue University, Master in Electrical Engineering & Computer Engineering, successfully graduated in spring 2015 [co-chair], current position: Analogic Engineer, Intel Corporation

Mentoring (Post-graduate, Graduate and Undergraduate; mentoring of current PhD & Master Students not included)

Jia Lin Cheoh, undergraduate student, Computer Science, Purdue University [2015- 2020]

Satyam Mukherjee, visiting assistant professor Technology Leadership & Innovation and Red Hat Fellow RCODI, Purdue University, mentoring in research on Open Source Software (OSS) communities [2016-Present]

Pekham Dey, Industrial Engineering, College of Engineering, focused on data science and design of experiment [Fall 2017]

Peng Li, Computer and Information Technology (CNIT), Purdue Polytechnic Institute, focused on web programming and software engineering [Fall 2017]

Melissa Lee, Phd Student ESADE Business School, mentoring during Doctoral Studies [2015-2017]

Surya Gundavarapu, undergraduate student Business Analytics, Krannert School of Management, Purdue University, mentoring in digital platform analytics and cost/benefit analysis [Fall 2016]

Markus Schimmer, Post-doctoral fellow at University of St. Gallen, Switzerland, visiting faculty fellow RCODI, mentoring in developing his research profile and internationalization [2013- present]

Ida Busiime Ngambeki, Postdoctoral fellow Technology Leadership & Innovation, Purdue Polytechnic Institute, mentoring in research planning and career development (2013-2014)

Maureen Fang, PhD student Engineering Technology, Purdue Polytechnic Institute, mentoring in developing her PhD thesis topic through brainstorming sessions [2014]

Quang Lin, Master Student Industrial Engineering, Purdue University, mentoring in developing her master thesis topic through brainstorming sessions [2014]

Srikant Rao, Master student Electrical Engineering & Computer Engineering [ECE], Purdue University, co-mentoring with Gerhard Klimeck (Professor of Computational Nanotechnology) [spring 2013 – spring 2015]

Chien-Yi (Cheryl) Hsiang, PhD student Technology Leadership & Innovation, Purdue Polytechnic Institute, mentoring in transition into Technology Leadership & Innovation from consumer sciences [fall 2014 – 2016]

Visiting Scholars at RCODI

Na Cao, Visiting Scholar RCODI, Purdue University, Lecturer, Information School, Capital University of Economics and Business [2017-2018]

Tian Ying, Visiting Scholar RCODI, Purdue University, PhD Student Donghua University [2017-2018]

Wang Changfeng, Visiting Scholar and Faculty fellow RCODI, Purdue University, Associate Dean of Research Shandong Jiaotong University School of Economics and Management [2017-2018]

Satyam Mukherjee, Visiting Assistant Professor Technology Leadership & Innovation, Purdue Polytechnic Institute, faculty fellow RCODI, Purdue University, official Red Hat Fellow [2017-2018]

Yuri Hirai, Visiting scholar Technology Leadership & Innovation, Purdue Polytechnic Institute, Post-doctoral Researcher Semantic Text Analysis in Innovation Studies, University of Tokyo, Japan [2016 to 2017]

Danny Sierra González, School of Industrial Engineering, University de National Colombia, Bogota [2016 to 2017]

Markus Schimmer, Postdoctoral Research Fellow Digital Innovation, St. Gallen University, Switzerland [2014 to 2015]

Esteve Almirall, Visiting Scholar Technology Leadership & Innovation and faculty fellow RCODI, Associate Professor Business Analytics & Data Science, ESADE Business School, Barcelona [Summer 2014 and Summer 2015]

Danny Sierra González, School of Industrial Engineering, University de National Colombia, Bogota

COMMUNITY SERVICES

Services to Academic and Business Conferences

International Conference on Information Systems (ICIS) 2021: Associated Editor of Track "AI for Business and Society"

International Conference on Information Systems (ICIS) 2020: Associated Editor of Track "Digital Innovation"

AOM OCIS Shanghai Conference 2019, Theme: "Change Management, Artificial Intelligence, and Social Media", Program Chair, China

International Conference of Information Systems (ICIS), 2018, Track Chair of Panel Proposals

AOM Special Conference on Big Data and Digital Contexts, 2018, conference is intended to nurture the development of a new field of research University of Sussex, UK, Executive Committee, Track Chair Digital Platforms

Representative-at-Large in the OCIS Division of the Academy of Management (AOM)

International Conference on Information Systems (ICIS) 2017, New Zealand, Associated Editor of Track Digital Innovation

Academy of Management 2017, Atlanta, USA, Session Chair

Collective Intelligence 2017, New York University, New York, USA, Program Committee Member

HCOMP 2017, 5th AAAI Conference on Human Computation and Crowdsourcing, Quebec City, Canada, Program Committee Member

International Conference on Information Systems (ICIS) 2016, Dublin, Ireland: Associated Editor of Track on Digital Innovation, Blockchains and Platforms

R&D Management 2014, Special Session on "Open Strategizing in R&D", June 2014, Stuttgart, Germany: Session Chair

Druid 2013, Summer Conference "Innovation, Strategy and Entrepreneurship", June 2013, Barcelona, Spain: Session chair

"Open Innovation 2.0" Sustainable Economy & Society Stability. Jobs. Prosperity organized by the European Commission, Intel Labs Europe, and others, Dublin, Ireland: Roundtable Chair

MCPCI 2011 "Mass Customization and Open Innovation", San Francisco, USA: Session and Panel chair

Open Innovation Forum 2009-2011, Fraunhofer Institute for Industrial Engineering, Stuttgart, Germany: Organizer and session chair

14th Conference on Concurrent Enterprising, 2008. Portugal: Invited session chair

PICMET 2010: International Conference for Management of Engineering and Technology, Thailand: Session chair

Reviewing Services
Reviewer of Referred Academic Journals

California Management Review, 2012-Present

Journal of Computer-mediated Communication (JCMC), 2016-2018

Journal of Strategic Information Systems (JSIS), 2013-2015

Journal of Small Business Management, 2012-Present

Management Information System Quarterly (MISQ), since 2019

Organization Science, 2015, 2018 - Present

Research Policy, 2018 - Present

Scientometrics, 2018-2019

Technovation 2020

Reviewer of Review Academic Conferences

Academy of Management (AOM) 2010, 2012, 2013, 2014, 2016

Collective Intelligence, 2016, 2017, 2018, 2019

Druid 2013 - 2014

HCOMP, 2017, AAAI Conference on Human Computation and Crowdsourcing

European Academy of Management (EURAM), 2011

International Conference of Information Systems, 2014 – Present

OpenSym 2015

R&D Management conference 2014

Reviewer of Grant Proposals

Clifford Kinley Trust, Supporting Social Science Research Increasing Human Welfare, Invited Proposal Reviewer, Spring 2018

Engineering Design and Systems Engineering (EDSE), Invited Panel Reviewer Spring 2018

SciSIP Program National Science Foundation, 2014 – Present, Ad-hoc Proposal Review

Purdue Polytechnic Institute, Internal Seed Funds, 2014 – Present

TEACHING AND EDUCATION

The research activities of Dr. Brunswicker support her efforts to develop a unique portfolio of education in digital innovation in the Department of Technology Leadership & Innovation at Purdue University. Since 2014, she has developed 7 new classes in the area of digital innovation, and coordinated the design of a new area of concentration (AOC) in the Department's Master of Science (M.Sc.) in Technology Leadership & Innovation. She had also established a collaborative relationship with leading universities in China (Tsinghua University and Central University of Political Science and Law) to take this effort globally. While her original focus was on graduate education, she has recently also expended her teaching to the undergraduate level. She teaches a mandatory class on "Leading Innovation in Organizations" in the department's undergraduate program in leadership. About 100 students are enrolled in this class each semester. She is also the founder of new virtual digital innovation experience, and 8-weeks program called "Purdue IronHacks", in which students engage in an 8-week iterative open data hacking process to design new apps to solve societal problems (www.ironhacks.com). Until today, close to 1000 students have participated in the program. This program was performed in collaboration with the College of Engineering at the main campus of the Universidad Nacional de Colombia (UNAL) in Bogota. Since 2017, undergraduate students from Purdue and UNAL engage in a unique global experience.

Graduate Program Development

Area of Concentration (AOC) in Open Digital Innovation: Dr. Brunswicker led the development of a new concentration in the M.Sc. TLI in Open Digital Innovation and a PhD in Technology. The Graduate Education Committee of TLI approved the program in September 2015. The concentration includes the core of the M.S. TLI, and four additional new courses: TLI520: Foundation of Innovation Studies; TLI526: Digital Innovation & Transformation; TLI527: Behavioral Analytics; and TLI625: Research in Open Innovation. The first graduates from the program accepted jobs in digital innovation, data science, and software engineering at multinational companies (e.g. Moody's) and small venture firms.

Dual degree program in Global Digital Innovation (GDI): Dr. Brunswicker was instrumental in establishing a dual degree program with the Department of Industrial Engineering at Tsinghua University. The program is approved as a fee-based program. In 2016, Dr. Sabine Brunswicker traveled to China to visit additional partners and open the program to other stakeholders in China, including the Chinese University of Political Science and Law (CUPL). In 2018, Dr. Sabine Brunswicker started the process of refining the program in accordance with the needs of CUPL. She works closely with Robert Cox in this process.

Rolls Royce Certificate in Applied Data Analytics: In 2017, Dr. Sabine Brunswicker worked with other Purdue faculty to launch a certificate in applied data analytics for professionals. She was primarily responsible for the 3 credits class on behavioral analytics, in accordance with the expectations of Rolls Royce.

Graduate Courses (Developed and Taught/Co-taught)

At Purdue, Dr. Sabine Brunswicker has gained significant experience in developing and teaching new graduate classes. As part of the development of a new concentration (AOC) in the M.Sc. in Technology Leadership & Innovation, Dr. Sabine Brunswicker developed and co-developed and taught four new graduate classes. These classes were piloted at least two times with a temporary

course number before they were approved with a permanent course number. Such graduate classes have maximum class size of 15 to 20 students.

Behavioral Analytics, 3 credits: Behavioral analytics is particularly concerned with analyzing behavioral data about producers and users of digital platforms (e.g. iOS apps, OSS software) and user-generated content sites (e.g. flickr, youtube etc). Behavioral analytics prepares students for the data-intensive jobs and academic research positions that are increasingly prevalent in our data-driven society. It introduces students to the data science processes, and data science techniques for classification as well as prediction of human behavior. The class is taught in R (max class size is 20).

Digital Innovation & Transformation, 3 credits: This course explores the different effects the digital transformation has on the foundations of competitive advantage and thereby prepares its students to design, apply, and implement strategies and systems for digital innovation. It aims to develop future innovation leaders and system designers and also provides foundational knowledge for user-inspired scholars in the nascent scholarly field of digital innovation.

Foundations of Innovation Studies, 3 credits: Foundations of Innovation Studies has been designed to introduce students into the research field of innovation studies and its implication for practice. Students will gain practical and theoretical knowledge of innovation at a variety of levels, including the individual, team, organizational, and ecosystem contexts (Max class size is 20, typical cl).

Research in Open Innovation, 3 credits (PhD seminar): This is a graduate, research-oriented course that is targeted towards students who are interested in scientific research in the emerging research field of open innovation (max class size is 15).

In addition, she also co-taught the following seminar with only a temporary course number.

Blockchain Networks and People, 1 credit (graduate-level seminar for master and PhD students). This is a graduate-level class. This course introduces students to blockchain technology and discusses theories and models of economic and social networks (e.g. game theory and social capital theory) to deepen our understanding of how blockchain technologies shape financial network flows. It also contains an active learning component: Students will play a cryptocurrency trading game to apply their learnings in an economic game.

Undergraduate Courses (Improved)

Dr. Sabine Brunswicker has also taught one of the core courses of the undergraduate program in Technology Leadership & Innovation.

Leading Innovation in Organization, 3 Credits. This course provides the foundations for understanding the manner in which companies capture innovation and use it to set themselves apart from competitors. Topics covered include attributes of organizations that are successful in fostering a culture of innovation; the characteristics and the role of leaders and members in innovative organizations; managerial processes and organizational systems that facilitate successful development, commercialization and adoption of innovative technologies, products, and services; and measures used to measure innovation-related outcomes. This course is typically offered in Fall, Spring, and Summer. In fall 2019 and spring 2020, this course enrolled 80 and 90 students respectively. Due to COVID-19, Dr. Sabine Brunswicker taught this large class online from week 10 to week 16.