

# Petra Gemeinboeck

## CURRICULUM VITAE | 2024

### EDUCATION

- 2004 **Doctor of Technical Sciences**  
Program of Visual Culture, Faculty of Architecture, Vienna University of Technology  
Thesis: "Negotiating the Virtual: Inhabiting Architectures of Emergence and Remoteness"
- 2003 **Master of Fine Arts in Electronic Visualization**  
Electronic Visualization Laboratory, School of Art and Design, University of Illinois at Chicago
- 2000 **Diplom-Ingenieur (equiv. to MSc) in Architecture**  
Faculty of Architecture, University of Stuttgart
- PROFESSIONAL DEVELOPMENT**
- 2011 Academic Women in Leadership (AWIL), University of New South Wales
- 2007 Graduate Certificate in Higher Education, Faculty of Education, University of Sydney
- 2006 Postgraduate Supervisors Development Program, Institute of Teaching Learning (ITL),  
University of Sydney

### PROFESSIONAL EXPERIENCE (since 2002)

- 2021–25 **ARC Future Fellow**  
Centre for Transformative Media Technologies, Swinburne University of Technology, MEL, AU  
funded through the Australian Research Council's Future Fellowship scheme
- 2020– **Associate Professor of Interactive Media**  
Faculty of Health, Arts and Design, Swinburne University of Technology, MEL, Australia
- 2019–23 **FWF PEEK Project Leader**  
Department for Media Theory, University of Applied Arts Vienna, Austria  
funded through the Austrian Science Fund (FWF) PEEK programme
- 2018–19 **Senior Research Fellow**  
MetaMakers Institute, Falmouth University, UK  
funded through an EU-funded (FP7) ERA project
- 2014–15 **Director, Postgraduate Research**  
Faculty of Art & Design, University of New South Wales, Sydney, AU
- 2013–16 **Deputy Director, Creative Robotics Lab (CRL)**  
National Institute for Experimental Arts, Art & Design, UNSW, Sydney, AU
- 2009–20 **Senior Lecturer in Interactive Media Arts**  
Faculty of Art & Design, University of New South Wales
- 2010–13 **Coordinator, Postgraduate Research**  
School of Media Arts, Art & Design, University of New South Wales, Sydney, AU
- 2004–09 **Lecturer in Digital Media**  
Design Lab, Faculty of Architecture, Design & Planning, University of Sydney, AU
- 2003–04 **Lecturer in Media Practice and Theory**  
Department of Media and Cultural Studies, University of Sussex, UK
- 2002–03 **Visiting Artist / Lecturer**  
Faculty of Architecture, University of Stuttgart, Germany

## SUPERVISION EXPERIENCE

- 2007-2022 SUPERVISED TO COMPLETION  
7 PhD, 3 MFA, 2 MSc candidates at The University of Sydney, UNSW, AU, and Falmouth University, UK  
*2 PhDs received the Dean's Award for Excellence in Postgraduate Research at UNSW Art & Design; 1 PhD was awarded prestigious JSPS (Japan Society for the Promotion of Science) Postdoctoral Research Fellowship.*
- 2021- CURRENT SUPERVISION  
1 PhD student, Royal College of Art (RCA), UK

## INVITED and JURIED SOLO EXHIBITIONS / PERFORMANCES

- 11 2023 **Dancing with the Nonhuman [VIE-2-2-1]**, Human-robot performance installation. *Atrium Expositur VZ7, dieAngewandte* (University of Applied Arts), Vienna, AT
- 05-06 2013 **Accomplice**. Robot installation, curated by Mark Feary, *Artspace Sydney*, AU
- 09 2011 **Zwischenräume: Politik der Wand**. Robot installation, curated by Ursula Musil, *Forum Stadtpark*, Graz, AT
- 06-07 2010 **Zwischenräume**. Robot installation in *Schauraum Angewandte at MuseumsQuartier* Vienna, curated by Ruth Schnell, AT
- 02-03 2008 **Uzume**. Tele-immersive VR installation, curated by Kurt Laurenz Theinert. *Kunstresor: Raum für Flüchtige Kunst*, Stuttgart, DE
- 08-09 2007 **Impossible Geographies**. Interactive installations, curated by Janice Fieldsend, *Tin Sheds Gallery*, Sydney
- 11-12 2005 **Impossible Geographies 1.1: Memory**. Interactive installation, curated by Matthew Miller, *Gallery Fabrica*, Brighton, UK
- 07-08 2005 **Impossible Geographies 01: Memory**, Interactive installation, curated by *Gustavo Soto-Rosa* and *Rueben Moore Gallery Soto*, Boston, MA
- 01-02 2003 **Pressentiments II** (*Uzume*, tele-immersive VR installation) in *Centre des Arts Enghien*, Enghien-les-Bains at Paris, FR

## INVITED and JURIED GROUP EXHIBITIONS

- 06 2024 **Machine Movement Lab: Alloyed Bodies [BNE-4-3-1]**. Human-robot performance installation at *Judith Wright Arts Centre*, as part of *ISEA 2024*, 21 and 22 June, Brisbane, AU, forthcoming.
- 02-05 2024 **Machine Movement Lab: Human-Robot DadAlsm**. Triptych of AI co-generated photo prints in *SHERobots 2.0: Ecologies of Care*, curated by D. Reinhardt, L. Loke, and D. Turnbull Tillman, *TU Delft Library*, Delft, NL
- 10-12 2022 **Machine Movement Lab: Dancing with the Nonhuman [VIE-2-2-1]**. Human-robot performance installation in *SHERobots: Tool. Toy. Companion*, curated by D. Reinhardt, L. Loke, and D. Turnbull Tillman, *Tin Sheds Gallery*, The University of Sydney, AU
- 05-09 2018 **Accomplice [BIO-36-4]**. Room-scale robot installation in *...and the things we do. Prototipoak Biennial: International meeting of New Artistic Forms*, curated by Mike Brookes and Rosa Casado, *Azkuna Zentroa*, Bilbao, ES
- 05-06 2018 **Machine Movement Lab [UK]**. Human-robot performance installation in *Games as Performing Arts Festival*, curated by Blanca Perez-Ferrer, *The Exchange Gallery*, Penzance, UK and *Academy of Music and Theatre Arts (AMATA)*, Falmouth University, UK
- 11 2017 **Machine Movement Lab: Becoming Body**. Robot installation in *Re/Pair @ The Big Anxiety Festival*, curated by Deborah Tillman, *University of NSW*, Sydney, AU

- 11 2015 **Accomplice**. Performance video in **Robots At Work**, 5th Annual Robot Film Festival, curated by Heather Knight, Pittsburgh, PA
- 06-07 2014 **Accomplice**. Room-scale robot installation in **Thingworld: International Triennial of New Media Art**, curated by Zhang Ga, *National Art Museum of China (NAMOC)*, Beijing, CN
- 03-06 2014 **Accomplice**. Room-scale robot installation in **Science Fiction: New Death**, curated by Omar Kholeif and Mike Stubbs, *Foundation for Art and Creative Technology (FACT)*, Liverpool, UK
- 08-10 2012 **Zwischenräume**. Embedded robot installation in **National New Media Art Award 2012**, group exhibition of 8 finalists, curated by Peter McKay and Amanda Slack-Smith, *Gallery of Modern Art (GoMA)*, Brisbane, AU
- 01-02 2012 **Zwischenräume**. Performance video in **abstraction contraption**, curated by Kirsty Boyle, *The Edge*, Brisbane, AU
- 07 2011 **Zwischenräume**. Embedded robot installation in **Underbelly Arts Festival**, curated by Imogen Semmler, Cockatoo Island, Sydney, AU
- 07 11-04 13 **Impossible Geographies 2.0**. Locative media installation in **Love Lace**, group exhibition of the finalists of the International Lace Award, curated by Lindy Ward, *Powerhouse Museum Sydney*, AU
- 03-05 2010 **On Track**. Robot installation in **BIENNALE CUVÉE. World Selection of Contemporary Art**, curated by Genoveva Rückert and Martin Sturm, OK Center for Contemporary Art, Linz, AT
- 10 2009 **On Track**. Robot installation in **e-MobiLArt**, RONDOSTUCKI Gallery, Academy of Fine Arts, Katowice, PL
- 05-06 2009 **On Track**. Robot installation in **e-MobiLArt @ Thessalonica Biennale**, curated by Roger Malina, Nina Czegledy, Annick Bureaud, and Christiana Galanopoulou, State Museum of Contemporary Art, Thessaloniki, GR
- 12 2006 **Net Dérive**. Locative media installation in **Intensive Science**, curated by Luc Steels, Sony Science Museum, Tokyo, JP
- 10 2006 **Net Dérive**. Locative media installation in **Intensive Science**, curated by Luc Steels, Maison Rouge, Paris, FR
- 11 2005 **Maya-Veil of Illusion**. Tele-immersive VR installation in **Presence and Absence**, curated by Alejandro Jaimes, ICA Singapore
- 10-12 2004 **Maya-Veil of Illusion**. Tele-immersive VR installation in **La ville à nu / The naked city: Archilab 2004**, curated by Bart Lootsma, Orléans, FR
- 01 2004 **Maya-Veil of Illusion**. Tele-immersive VR installation in **MAK NITE**, curated by Lee Rodney, MAK Museum of Applied Arts Vienna
- 01 2004 **Maya-Veil of Illusion**. Tele-immersive VR installation in **MEDIA IN SPACE: 17. Stuttgarter Filmwinter: Festival for Expanded Media**, Stuttgart, DE
- 10 2003 **Uzume**, included in **Ars Electronica CAVE Art collection**, Ars Electronica Center, Linz, AT
- 09 2003 **Uzume**. CAVE VR Theater work in **CODE - The Language of Our Time: Ars Electronica Festival 2003**, Ars Electronica Center, Linz, AT
- 03 2003 **Maya-Veil of Illusion**. Tele-immersive VR installation in **Version > 03 :: Digital Arts Convergence**, Festival of Digital Media Arts, Museum of Contemporary Art Chicago, IL
- 12 02-01 03 **Uzume**. CAVE VR Theater work in **Black Cube: platform for media art**, Badenwürttembergische Kunstverein Stuttgart
- 07 2002 **Uzume**. CAVE VR Theater work in **SIGGRAPH 2002: Art Gallery**, San Antonio, TX
- 11 2001 **Uzume**. CAVE VR Theater work in **Female Century—New Polarities: Mediarama 2001**, curated by Pedro Pinzolas, Sevilla
- 10 2001 **Maya-Veil of Illusion**. Tele-immersive VR installation in **New Media Aesthetic: Alternate Currents: Chicago Artists' Month 2001**, Electronic Visualization Laboratory, UIC, Chicago, IL
- 09 2001 **Alive On the Grid**. CAVE VR Theater work in **Takeover: Ars Electronica Festival 2001**, Ars Electronica Center, Linz, AT; Advanced Visualization Laboratory, Indianapolis, ID; C3 Center for Culture & Communication, Budapest; Interactive Institute, Umea, SE

- 06–07 2001 **Uzume**. CAVE VR Theater work in **The Adventure of CAVE**, curated by Dan Sandin, NTT InterCommunication Center [ICC], Tokyo
- 10 1998 **10 Jahre Haus der Architektur**, curated by Manuela Hötzl, Haus der Architektur, Graz, AT
- 07–09 1997 **Vitrine Generali Foundation**, Generali Foundation Vienna
- 09–10 1996 **Labyrinth**, European Capital of Culture Copenhagen '96

## SCHOLARLY PUBLICATIONS

### *Book Chapters*

- 2025 **Gemeinboeck, P.** “Dancing with Machines: A Posthuman Dramaturgy for More-than-Human Encounters”. In Eric Mullis and Hilary Bergen (eds) *Robot Theatre*, New York, NY: Routledge, forthcoming.
- 2022 Saunders, R. and **Gemeinboeck, P.** “Creative AI, Embodiment, and Performance”. In C. Vear, F. Poltronieri (eds.) *The Language of Creative AI*, Springer SSCC, 191-206.
- 2022 **Gemeinboeck, P.** and Saunders, R. “*Encounters at the Fringe: A Relational Approach to Human-robot Interaction*”. In C. Vear, L. Candy, E. Edmonds (eds.) *Routledge Handbook of Practice-Based Research*, Routledge.
- 2019 **Gemeinboeck, P.** “Dancing with the Nonhuman”. In J. Bennett and M. Zournazi (eds.) *Thinking in the World*, London: Bloomsbury Academic, 150–169
- 2017 Brown, S. and **Gemeinboeck P.**, “Sensory Conversation: An Interactive Environment to Augment Social Communication in Autistic Children”. In *Assistive Augmentation*. Cognitive Science and Technology Series, Springer, 131–150
- 2017 Mandl, S. and **Gemeinboeck, P.**, “The Resonance of the Document: Material Exchange, Assemblage, and the Productive Archive.” In *Leonardo Electronic Almanac 22*, no. 1, edited by Lanfranco Aceti, Paul Thomas, and Edward Colless. Cambridge, MA: LEA / MIT Press
- 2016 **Gemeinboeck, P.** and Saunders, R., “The Performance of Creative Machines”. In J.T.K.V. Koh, B.J. Dunstan, D. Silvera-Tawil, M. Velonaki (eds.) *Cultural Robotics. First International Workshop, CR 2015, Held as Part of IEEE RO-MAN 2015, Kobe, Japan, August 31, 2015. Revised Selected Papers*. Springer International Publishing, 159–172
- 2016 **Gemeinboeck, P.** and Saunders, R., “Towards Socializing Non-anthropomorphic Robots by Harnessing Dancers’ Kinesthetic Awareness”. In *Cultural Robotics*. Springer Int. Pub., 85–97
- 2014 Bown, O., **Gemeinboeck, P.**, and Saunders, R., “The machine as autonomous performer”. In L. Candy and S. Ferguson (eds) *Interactive Experience in the Digital Age. Evaluating New Art Practice*. Heidelberg: Springer Series on Cultural Computing, 75–90
- 2013 **Gemeinboeck, P.** and Saunders, R., “Inventing cultural machines”. In A. Dong, J. Conomos and B. Buckley (eds) *Ecologies of Invention*. Sydney: University of Sydney Press, 37–46.
- 2009 Tanaka, A. and **Gemeinboeck, P.**, “Net\_Dérive: Conceiving and Producing a Locative Media Artwork”. In Goggin, G. and Hjorth, L. (eds.) *Mobile Technologies: From Telecommunications to Media*. London: Routledge, 174–186
- 2004 **Gemeinboeck, P.**, “Un element tiers, autre—Something Third”, Other. In Lootsma, B. (ed.) *La ville à nu / The naked city. Archilab 2004*. Orléans: Editions Hyx, 235-241
- 2003 **Gemeinboeck, P.**, “Constructing Shadows in Cyberspace”. In Mörtenböck, P. and Mooshammer, H. (eds.) *Visuelle Kultur. Körper - Räume - Medien*. Wien: Böhlau, 191-210

### *Journal Articles*

- 2022 **Gemeinboeck, P.**, “Difference-in-relation: Diffracting human-robot encounters”. In *Matter: Journal of New Materialist Research*, Vol. 3, no. 1, doi:10.1344/jnrm.v3i1.38958
- 2022 Rochette, A., **Gemeinboeck, P.**, “Dialogues cinétiques. Une expérience somatique, affective et mentale vécue au contact d’un artefact robotique dans le projet *Machine Movement Lab*” (*Kinetic Dialogues*. An embodied, emotional, and mental experience lived through interaction with a robotic artifact in the Machine Movement Lab project), Percées: Explorations en arts

vivants. *L'Extension, recherche & création*, UQAM, Montreal, CA, available online at: <https://percees.uqam.ca/fr/le-vivarium/dialogues-cinetiques>.

- 2021 **Gemeinboeck, P.**, Saunders, R. "Moving beyond the mirror: relational and performative meaning making in human-robot communication". In *AI & Society*, <https://doi.org/10.1007/s00146-021-01212-1>.
- 2021 **Gemeinboeck, P.** "The Aesthetics of Encounter: A Relational-Performative Design Approach to Human-Robot Interaction". In *Frontiers in Robotics and AI*, Vol. 7, <https://www.frontiersin.org/article/10.3389/frobt.2020.577900>
- 2019 **Gemeinboeck, P.** "Entanglements with the Nonhuman". In Louis-José Lestocart (ed.) *Série LINKs 1-2. Le virtuel et la biologie*, CNRS Editions Alpha
- 2017 **Gemeinboeck, P.**, "Creative Robotics: Rethinking Human Machine Configurations: Introduction". In P. Gemeinboeck, E. Knox, J. Bennett, A. Murphie (eds.) *Creative Robotics: Rethinking Human Machine Configurations*, special issue of *The Fibreculture Journal*, Open Humanities Press, <http://twentyeight.fibreculturejournal.org>
- 2017 Mandl, S. and **Gemeinboeck, P.** "The Resonance of the Document: Material Exchange, Assemblage, and the Productive Archive". In L. Aceti, P. Thomas and E. Colless (eds.) *Leonardo Electronic Almanac 22:1*. Cambridge, MA: LEA / MIT Press. Available online at: <https://contemporaryarts.mit.edu/pub/resonanceofthedocument>
- 2011 **Gemeinboeck, P.**, Saunders, R., "Other Ways Of Knowing: Embodied Investigations of the Unstable, Slippery and Incomplete". In *The Fibreculture Journal*, A. Mackenzie, A. Murphie, M. Whitelaw (eds.) Special Issue *Trans – Transversals, Transduction, Transmateriality*, <http://eighteen.fibreculturejournal.org>
- 2011 **Gemeinboeck, P.**, Saunders, R., "Urban Fictions: A Critical Reflection on Locative Art and Performative Geographies". In *Digital Creativity, Special Issue Mobile Ubiquity Effects: Communication, Gaming, and Innovation*. London: Routledge
- 2010 **Gemeinboeck, P.**, Traenkle, M., Dement, L., PRINZGAU/podgorschek, Saunders, R., "On Track: A slippery Mechanic-Robotic Performance". In *Leonardo: Journal of the International Society for the Arts, Sciences and Technology*, Cambridge, MA: MIT Press
- 2009 Veronesi, F., **Gemeinboeck, P.**, "Disembodied Landscapes". In *Performance Research*, special issue *Transplantations 4(4)*, London & New York: Routledge/ Taylor & Francis.
- 2009 Veronesi, F., **Gemeinboeck, P.**, "Mapping Footprints: A Sonic Walkthrough of Landscapes and Cultures". *Convergence: The International Journal of Research into New Media Technologies*, special issue *Cultural Memory and Digital Preservation 15(3)*
- 2007 Veronesi, F., **Gemeinboeck, P.**, "Encountering space, places and memories in Australian landscapes". *Mapping Media. Media International Australia 124*
- 2005 **Gemeinboeck, P.**, Blach, R., "Spacing the Boundary: An Exploration of Perforated Virtual Spaces". In *Space, Place and Technology. Presence in Mediated Experiences. PsychNology Journal 3(1)*
- 2004 **Gemeinboeck, P.** "Negotiating the In-Between: Space, Body and the Condition of the Virtual". In *Crossings Electronic Journal of Art and Technology 4(1)*, University of Dublin,
- 2004 **Gemeinboeck, P.** Virtual Reality: "Space of Negotiation". In *Visual Studies Journal 19*, London: Routledge.
- 2003 **Gemeinboeck, P.**, "Something Third, Other". In *M/C - journal of media and culture*, special edition FIBRE, <http://www.fibreculture.org>

#### *Refereed Conference Papers*

- 2024 **Gemeinboeck, P.** and Saunders, R. "Alloyed Bodies: Performance-Making as Embodied Prototyping of Human-Robot Relationships". In *Procs, 16th Internat. Conf. on Social Robotics+AI (ICSR'24)*, Special Session: Robotics & Art, Oct. 23-26, 2024, Odense, DK.
- 2023 **Gemeinboeck, P.** and Saunders, R. "Hybrid Entanglements: a posthuman dramaturgy for

- human-robot relationships". In *ISEA 2023 Proceedings, 28<sup>th</sup> International Symposium on Electronic Art*, Paris, FR, 16-21 May 2023.
- 2023 **Gemeinboeck, P.** and Saunders, R. "Dancing with the Nonhuman: A Feminist, Embodied, Material Inquiry into the Making of Human-Robot Relationships". In *HRI 2023. ACM/IEEE Int. Conf. on Human-Robot Interaction*, Stockholm, SE, 13-16 March 2023.
- 2021 **Gemeinboeck, P.** "Seeking difference in relation: diffracting human-robot relationships". Presented at the New Materialist Informatics (NMI) Conference, 22-25 March, Kassel, DE.
- 2019 Saunders, R. and **Gemeinboeck, P.** "Embodied Artificial Creativity". In *International conference on computational and cognitive models of creative design (HI19)*, Heron Island, Queensland, AU, 15-18 Dec. 2019.
- 2019 **Gemeinboeck, P.** and Saunders, R. "More than an Object" (Keynote). At *Performing Robots Conference 2019*, Utrecht University and SPRING Performing Arts, Utrecht, NL, 23-25 May 2019.
- 2019 **Gemeinboeck, P.** and Saunders, R. "Exploring Social Co-Presence through Movement in Human-Robot Encounters". In *Proc. of the Artificial Intelligence and the Simulation of Behaviour Symposium (AISB 2019)*, Falmouth University, UK, 16-18 April 2019.
- 2018 **Gemeinboeck, P.** and Saunders, R. "Human-Robot Kinesthetics: Mediating Kinesthetic Experience for Designing Affective Non-humanlike Social Robots. In *Proc. of the 27th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN) 2018*, Nanjing, China, 27-31 August 2018.
- 2018 Saunders, R. and **Gemeinboeck, P.**, "Performative Body Mapping for Designing Expressive Robots. In *9th International Conference on Computational Creativity*, University of Salamanca, ES, 25-29 June 2018.
- 2017 **Gemeinboeck, P.** and Saunders R., "Movement Matters: How a Robot Becomes Body". In *MOCO '17 Proceedings of the 4th International Conference on Movement Computing*. London, U.K. June 28 - 30, 2017. New York, NY: ACM Press
- 2017 Brown, S.A., Silvera-Tawil, D., **Gemeinboeck, P.**, McGhee, J., "Design Research Framework for Participatory Feedback from Autistic Children". In *Proceedings of the 28th Australian Conference on Computer-Human Interaction-OzCHI '16*, November 2016. New York, NY: ACM Press, 605-612.
- 2016 **Gemeinboeck, P.**, "Disturbingly Social", paper presentation at *4S/EASST. Science & technology by other means: Exploring collectives, spaces and futures*, Barcelona (extended abstract peer-reviewed; unpublished)
- 2015 Tillman D.T., Velonaki, M., **Gemeinboeck P.**, "Authenticating experience: Curating digital interactive art". In *TEI 2015 - Proceedings of the 9th International Conference on Tangible, Embedded, and Embodied Interaction*. Stanford University
- 2014 **Gemeinboeck, P.** and Saunders R., "Towards a performative body mapping approach". In *Proceedings of the 3rd International Symposium on New Frontiers in Human-Robot Interaction*, 3-4 April, Goldsmiths, University of London
- 2014 Saunders, R. and **Gemeinboeck, P.**, "Accomplice: Creative robotics and embodied computational creativity". In *Proceedings of the Artificial Intelligence and the Simulation of Behaviour Symposium (AISB)*, 1-4 April, Goldsmiths, University of London
- 2013 **Gemeinboeck, P.** and Saunders, R., "Creative machine performance: Computational creativity and robotic art". In M.L. Maher, T. Veale, R. Saunders and O. Bown (eds) *Proceedings of the 4th International Conference on Computational Creativity*. Univ. of Sydney
- 2013 Saunders, R., Chee, E. and **Gemeinboeck, P.**, "Evaluating human-robot interaction with embodied creative systems". In M.L. Maher, T. Veale, R. Saunders and O. Bown (eds) *Proceedings of the 4th International Conference on Computational Creativity*. Sydney University
- 2013 Kocaballi, A. B., **Gemeinboeck, P.**, Saunders, R., Dong, A. and Loke, L., "Interplay of scripts and resistance in a participatory workshop". In K. Cleland, L. Fisher and R. Harley (eds) *Proceedings of the 19th International Symposium of Electronic Art (ISEA2013)*, Sydney
- 2012 Kocaballi, A. B., **Gemeinboeck, P.**, Saunders, R., Dong, A. and Loke, L., "Transformations, enactments, and distrust in promoting multiplicity in design process". In *Proceedings of the Participatory Innovation Conference (PIN-C2012)*, Melbourne



- 2011 **Gemeinboeck, P.**, Saunders, R., “Rethinking machine agency: from cybernetic to robotic art”. Presented at *Rewire: Fourth International Conference on the Histories of Media Art, Science and Technology*, FACT, Liverpool, 28-30 September, 2011
- 2011 **Gemeinboeck, P.**, Saunders, R., “Material matters: machine agency and performativity”. In *Proceedings of the 17th International Symposium on Electronic Art*, Istanbul, 14-21 Sept. 2011
- 2010 **Gemeinboeck, P.** and Saunders, R., “Zwischenräume: The Machine as Voyeur”. In *New Imaging: transdisciplinary strategies for art beyond the new media. 1<sup>st</sup> International Conference on Transdisciplinary Imaging at the Intersections between Art, Science and Culture*. Artspace Sydney, 5–6 November 2010
- 2009 **Gemeinboeck, P.**, “Negotiating the In-Between: When Machine-Agents become Co-Performers”. In *Proceedings of Time. Transcendence. Performance*, Monash University, Melbourne, 1-3 October 2009
- 2009 **Gemeinboeck, P.**, Dement, L., PRINZGAU/podgorschek, Traenkle, M., “Perforating and Leaking: The Production of the Collaborative, Performative Work ON TRACK”. In *SEAM 2009*, Critical Path, Sydney, 17-19 September 2009
- 2007 **Gemeinboeck, P.**, Dong, A., Veronesi, F., “Who Writes The City?”. In *Mobile Media’07: Proceedings of an international conference on social and cultural aspects of mobile phones, convergent media, and wireless technologies*, The University of Sydney
- 2006 **Gemeinboeck, P.**, Tanaka, A., Dong, A., “Instant Archaeologies: Digital Lenses to Probe and to Perforate the Urban Fabric”. In *ACM Multimedia 2006 Proceedings*, Santa Barbara
- 2006 Tanaka, A., **Gemeinboeck, P.**, “A Framework for Spatial Interaction and Locative Media”. In *Proceedings of NIME 06: 6th International conference on New Interfaces for Musical Expression*, Ircam – Centre Pompidou, Paris
- 2006 **Gemeinboeck, P.**, Dong, A., “Discourses of Intervention: A Language for Art & Science Collaboration”. In *International Conference New Constellations: Art, Science and Society*, Museum of Contemporary Art Sydney
- 2005 **Gemeinboeck, P.**, “Impossible Geographies of Belonging”. In *ACM Multimedia 2005 [MM’05] Proceedings*, Singapore, Nov. 2005
- 2005 **Gemeinboeck, P.**, “Constituting, Traversing and Perforating Boundaries: Embodied Interaction in Immersive Virtual Spaces”. In *5th Creativity and Cognition Conference Proceedings*, Goldsmiths College, University of London
- Workshops / Exhibition Catalogues / Other**
- 2024 **Gemeinboeck, P.**, Saunders, R., Rochette, A., Hutchison, S., “HRX Theatre: Dynamic Encounters and Transcorporeal Resonances with Machinelike Artefacts”. Workshop at the *International Symposium on Electronic Art – ISEA 2024*, 27 June, Queensland University of Technology, AU.
- 2022 **Gemeinboeck, P.** and Saunders, R., “Dancing with the Nonhuman [SYD-2-2-1]”. In Lian Loke, Dagmar Reinhart, Deborah Turnbull (eds) *SHERobots: Tool, Toy & Companion*, The University of Sydney.
- 2015 **Gemeinboeck, P.** and Saunders, R., 2015, “Accomplice”. In Fan Di'an and Zhang Ga (eds) *thingworld: International Triennial of New Media Art*, published by NAMOC and The Liverpool University Press, distributed by Oxford University Press.
- 2014 **Gemeinboeck, P.** and Saunders, R., “Participate, negotiate or spectate: will robotics change our relationship with gaming”. Presented at *Open Playground: The Future of Gaming Conference*, FACT Liverpool, 26 March 2014.
- 2011 **Gemeinboeck, P.** and Saunders, R. “Urban Fiction 2.0”. In *Love Lace*, exhibition catalogue, Powerhouse Museum Sydney
- 2009 **Gemeinboeck, P.** 2009. “Urban Fiction: Between Map and Landscape”. Presented at the *15<sup>th</sup> International Symposium on Electronic Art*, University of Ulster, Belfast, 26 - 29 Aug. 2009
- 2009 Dement, L., Gemeinboeck, P., PRINZGAU/podgorschek, Traenkle M., “On Track”. In *e-MobilArt*, exhibition catalogue, Skordopoulous Printing

- 2007 **Gemeinboeck, P.** and Saunders, R., "Urban Fictions". Presentation at *Ecosystemics: ecosystem dynamics for electronic media*, Monash University, Melbourne
- 2006 **Gemeinboeck, P.**, Tanaka, A., "Concepts in Locative Media: Instrumental and Theoretical Considerations in the Design of a Framework" At *ISEA 2006 Symposium*, San Jose, CA.
- 2006 **Gemeinboeck, P.** "Chinese Whispers and Maya - Veil of Illusion". In Franz Fischnaller (ed) *E-Art*. Special edition, Editori Riuniti, Rome/Italy
- 2006 **Gemeinboeck, P.** "Impossible Geographies: Archaeology of the Instant". In *Intensive Science*, exhibition catalogue, Sony CSL Paris, Nov. 2006
- 2003 **Gemeinboeck, P.**, "Uzume". In *Language of Our Time: Ars Electronica 2003*, Hatje Cantz
- 09 2002 Gemeinboeck, P., roundtable *L'imaginaire d'artiste* with Christa Sommerer and Laurent Mignonon, *Centre des Arts Enghien*, Enghien-les-Bains at Paris
- 2002 **Gemeinboeck, P.**, "Uzume". In *SIGGRAPH 2002*, San Antonio, TX, Art Gallery, ACM Press
- 2001 **Gemeinboeck, P.**, "Uzume". In *Mediarama 2001: Female Century - New Polarities*, CD-Rom
- 2001 **Gemeinboeck, P.**, Tremonti, J., "Excavation". In *Takeover: Ars Electronica 2001*, Hatje Cantz

### COMPETITIVE GRANTS

- 2023 **Independent Research Fund Denmark, Explorative Network Grant**, "Robot Touch" network, led by A/Prof Jonas Jørgensen, with Jonas Jørgensen (2024-26), *Co-Investigator*, amount: 792.000 DKK.
- 2019 **Australian Research Council (ARC), Future Fellowship**, "Human-Robot Experience" (FT190100567, 2021-25), *Future Fellow*, amount: 937,443 AUD
- 2019 **FWF Austrian Science Fund, Programme for Arts-based Research (PEEK)**, "Dancing with the Nonhuman: An Aesthetics of Encounter" (AR545, 2019-23), *Principal Investigator*, amount: 364,000 EUR.
- 2018 Conseil des arts et des lettres du Québec (CAN), "Machine learning and artificial intelligence for creation" (2018-19), *Partner Investigator*, amount: 90,000 CAD
- 2017 Azkuna Zentroa, Bilbao, ES, commission for developing *Accomplice [36-4-BIO]* for "...and the things we do, Prototipoak Biennial", amount: 10,000 EUR
- 2016 **Australia Research Council (ARC) Linkage Infrastructure, Equipment and Facilities Grant**, "Embodied Movement Network" (LE170100066, 2017-18), *Chief Investigator*, amount: 350,000 AUD
- 2015 **Australia Research Council (ARC) Discovery Project Grant**, "Performative Body-Mapping (PBM): a new method towards socialising non-humanlike robots" (DP160104706, 2016-18), *Principal Investigator*, amount: 244,942 AUD
- 2014 UNSW Goldstar Award (for Research, for an "near miss" ARC DP application), University of New South Wales, *Principal Investigator*, amount: 30,000 AUD
- 2013 **UNSW Major Research Equipment and Infrastructure Initiative Scheme (MREII)**, "Tormach PCNC 1100 CNC mill for prototyping and short run production of robot components and metal objects", UNSW, *Principal Investigator*, amount: 71,561 AUD
- 2013 Faculty Research Grant, University of New South Wales, *Principal Investigator*
- 2012 **Inter-Arts Project Grant, Australia Council for the Arts**, "Creative Research and Development of Installation *Accomplice*", amount: 19,120 AUD, *Principal Investigator*
- 2012 National Association for the Visual Arts (NAVA) NSW Artists' Grant, *Principal Investigator*
- 2010 **Inter-Arts Project Grant, Australia Council for the Arts**, "On Track—Loss of Transmission", *Principal Investigator*, amount: 17,430 AUD
- 2010 **New Work Grant, Media Arts Board, Austrian Federal Ministry for Education, the Arts and Culture**, "Zwischenräume", *Principal Investigator*, amount: 5,000 EUR
- 2009 Faculty Research Grant, University of New South Wales (UNSW), *Principal Investigator*
- National Association for the Visual Arts (NAVA) Marketing Grant, *Principal Investigator*



- 2008 **New Work Grant, Medienkunstbeirat (Media Arts Board), Austrian Federal Ministry for Education, the Arts and Culture, "On Track", *Principal Investigator*, amount: 4,500 EUR**
- 2008 Travel Grant, Medienkunstbeirat (Media Arts Board), Austrian Federal Ministry for Education, the Arts and Culture, amount: 1,500 EUR
- 2008 Australian Network for Art & Technology (ANAT) Professional Development Travel Grant
- 2008 Teaching Infrastructure and Equipment Scheme (TIES) Grant, University of Sydney
- 2007 Research-enhanced Teaching and Learning Grant, University of Sydney
- 2004-05 Research and Development grant, University of Sydney, *Principal Investigator*
- 2000-01 University Fellowship, University of Illinois at Chicago
- 2000 Research Scholarship, Emanuel und Sofie Fohn-StipendienStiftung, *Principal Investigator*, amount: 3,000 EUR
- 2000 Scholarship 'Tische Program', Federal Chancellery Austria: Section for Artistic Affairs, amount: 90,000 ATS (6,550 EUR)

#### AWARDS

- 2012 *National New Media Art Award 2012*, finalist, Gallery of Modern Art (GoMA), Brisbane, AU
- 2011 *International Lace Award 2011*, finalist, Powerhouse Museum Sydney
- 2011 *Honorary Mention*, Digital Turku, FI, European Capital of Culture, Live 2011 Grand Prix
- 2008–09 *e-MobilArt*, selected participant, funded by the EU CULTURE 2007 Programme
- 2005 MAK Schindler Scholarship Program 2005/6, Los Angeles, recognition award
- 1999 First prize, category 'Visions and Future Task,' *3rd International Competition for Textile Architecture*, Textile Architecture Group, Frankfurt

#### ARTIST IN RESIDENCE / VISITING ARTIST

- 2012 Ars Electronica Futurelab, Linz, AT
- 2012 Cité Internationale des Arts, Paris
- 2010 Artspace Sydney
- 2010 Bundanon Trust, NSW
- 2010 University of Applied Arts Vienna, Media Art Department
- 2009 Digital Culture Space, MuseumsQuartier Vienna
- 2006 Sony Computer Science Lab, Paris
- 2005 'Do While' New Media Art, Boston, MA
- 1999-2000 Competence Centre Virtual Environments (CCVE), IAO Fraunhofer Stuttgart, Germany

#### INVITED TALKS

- 2000–2023 Feminist AI Lecture Series, University of Art Linz, **AT** || ArtEZ University of the Arts, Arnhem, **NL** || SensiLab, Monash University, **AU** || Digital Futures, KTH Royal Institute of Technology, **SE** || Entanglement Seminar, Royal College of Art London, **UK** || Vrije Universiteit Brussel, **BE** || Ensad Lab, École Nationale Supérieure des Arts Décoratifs Paris, **FR** || Plymouth University, **UK** || University of Utrecht, **NL** || City of Melbourne: Arts Futures, **AU** || Ars Electronica Futurelab, Linz, **AT** || Central Academy of Fine Arts, Beijing, **CN** || Centre des Arts Enghien, Paris, **FR** || Electronic Visualization Lab, University Of Illinois at Chicago, **IL** || Gallery of Modern Art, Brisbane, **AU** || Goldsmiths, University of London, **UK** || Royal

Australian Institute of Architects (RAIA), Sydney, **AU** || Medienkunst, University for Applied Arts Vienna, **AT** || Interface Cultures, University of Art and Design, Linz, **AT** || Faculty of Architecture, University of Stuttgart, **DE** || Digital Culture, University of Sydney, **AU** || Visual Culture, Vienna University of Technology, **AT**

#### LEADERSHIP & SERVICE (SELECTION)

- 2023 Chair and organiser, Symposium on “more-than-human entanglements”, University of Applied Arts Vienna, AT, 30 November 2023, with keynote Prof. Johnny Golding, RCA, London
- 2019 Chair, Symposium on “Movement That Shapes Behaviour: Rethinking how we can form relationships with non-humanlike embodied agents” (MTSB19), *AISB 2019*, Falmouth University, UK, 16-18 April 2019, with keynote Prof. Louis-Phillippe Demers, QUT Brisbane.
- 2019 Co-chair, Art exhibition & Demos, 10th International Conference on Computational Creativity (ICCC), UNC Charlotte, NC, U.S.A., 17- 21 June 2019.
- 2018 Associate editor and session chair, *27th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2018)*, Special Session on “Movement That Shapes Behaviour”, Nanjing, CN
- 2017 Lead editor of *Creative Robotics: Rethinking Human-Machine Configurations*, special issue of *The Fibreculture Journal*. Full reference: Petra Gemeinboeck, Jill Bennett, Elena Knox, Andrew Murphie (eds.) *Creative Robotics*, special issue, *FCJ 23*, Open Humanities Press

#### **Program Committee Member**

- 2011–20 International Symposium on Electronic Art (ISEA)
- 2010–14 Transdisciplinary Arts Research: Transdisciplinary Imaging Conference
- 2009 SEAM 2009, Sydney
- 2008 CGIV08, International Conference on Computer Graphics, Imaging and Visualization, USM, Penang
- 2007 perthDAC 2007: The Future of Digital Media Culture, Perth
- 2007 CAAD Futures International Conference, The University of Sydney
- 2001 International Conference on Virtual Storytelling 2001, Avignon

#### **Peer Reviewer**

- 2023-24 Alt.HRI 2023 and Alt.HRI 2024, ACM/IEEE Int. Conf. on Human-Robot Interaction
- 2022-23 MIT Press Manuscript Reviewer
- 2017 MOCO’17, 4th International Conference on Movement Computing, Goldsmiths, London
- 2015 *Journal for Artistic Research (JAR)*, www.jar-online.net
- 2013 *M/C Journal: A Journal of Media and Culture*, media-culture.org.au
- 2006 *Design Studies. International Journal for Design Research in Engineering, Architecture, Products and Systems*, Elsevier Publisher
- 2004 *AI EDAM. Artificial Intelligence for Engineering Design, Analysis and Manufacturing*, Cambridge Journals
- 2004 *Journal of Architectural and Planning Research (JAPR)*, Locke Science Publishing

#### **Detailed Assessor**

- 2022, 2018 *Australian Research Council (ARC)*, Discovery Scheme
- 2015 *Leverhulme Trust*, UK, Research Project Grants Scheme

#### **Curatorial**

- 2005–2008 Advisory Committee member, Tin Sheds Gallery, Sydney
- 2003 Jury member, RaumFrames, short film competition, 16<sup>th</sup> Stuttgarter Filmwinter

BIBLIOGRAPHY / REVIEWS (SELECTION)

- 2014 Venus Lau, "Thingworld", *Artforum International* 53(3)  
 Régine Debatty, "Science Fiction: New Death", *We Make Money Not Art*, [http://we-make-money-not-art.com/science\\_fiction\\_new\\_death/](http://we-make-money-not-art.com/science_fiction_new_death/), 23/04/2014  
 Stu Roberts, "Artificial intelligence robots systematically destroy wall in the name of art", *Gizmag*, 05/04/2014  
 Michael Burke, "Exhibition: Science – New Death", *Tusk Journal*, 01/04/2014  
 Ana Gabriela Gaona, "Robots inteligentes destruyen arte en nombre de la autonomía", *Mediatelecom* 07/04/2014  
 James Fagan, "Science Fiction: New Death—Reviewed", *The Double Negative*, 10/04/ 2014
- 2014 Sinead Nunes, "Science Fiction – New Death, FACT", *Corridor8*, 14 May 2014
- 2013 Andrew Frost, "Resistance is futile as ISEA2013 celebrates digital art in Sydney", *The Guardian Australia*, 11/06/2013  
 Prue Gibson, *Reviews*, *Artlink* 33(3), p. 92  
 Keith Gallasch, "The uncanny in the gallery", *RealTime Arts Magazine*, 11/06/2013  
 Sharne Wolff, "Accomplice", *Art Life*, 10/05/2013  
 Mike Leggett, "realtime tv @ ISEA2013: Velonaki, Ingram, Gemeinboeck & Saunders, Artspace", interview, *RealTime Arts*: [vimeo.com/67536071](https://vimeo.com/67536071)  
 "Accomplice", *The Brag* 511
- 2012 Roberta Bosco and Stefano Caldana "En ocasiones veo hombres" (Sometimes I see men), *EL PAIS*, 31/05/2012
- 2012 Lindie Ward, "Openwork Patterns", *Artlink: Contemporary art of Australia and the Asia-Pacific* 32(1)
- 2011 Margot Molina, "Un baño de virtualidad", *EL PAIS*, Sevilla, 22/11/2011
- 2010 Manuela Hötzl, "Petra Gemeinböck's Architektonischer Aktivismus", *Architekturtheorie Magazin*, [www.architekturtheorie.eu](http://www.architekturtheorie.eu)
- 2007 Anna Munster, "The thought provoking jolt: Anna Munster explores Petra Gemeinboeck's impossible geographies", *RealTime Arts Magazine* 82
- 2006 Christophe Kihm, *Extensions*, "Derivations", *Intensive Science*, Sony CSL Paris
- 2005 Cate McQuaid, "Year brought prolific creativity, cultivated and raw", *The Boston Globe*, 30/12
- 2005 Cate McQuaid, 'Interactive work evokes complex memories', *The Boston Globe*, 12/08/2005
- 2004 Manuela Hötzl, "Whirl Room: Petra Gemeinboeck's CAVE installation at Ars Electronica", *spike art quarterly* 1(1), Vienna
- 2003 Manuela Hötzl, "The real virtuality: No cyberspace without a body. Petra Gemeinboeck's CAVE installation at Ars Electronica in Linz.", *ARCHIS* #6, Rotterdam
- 2003 "Tanz hinter sieben Codes", interview with Manuela Hoetzl, *Architektur & Bauforum Magazine* 18, Österreichischer Wirtschaftsverlag, Vienna
- 2003 interview in documentary of CODE - The Language of Our Time: Ars Electronica 2003, *Austrian TV Broadcasting Corporation: ORF2*, 28/29 September 2003
- 2003 "Experiment K", Multimedia CD-ROM, limited edition, *NTV Television Channel*, Moscow
- 2003 interview with Manuela Hoetzl, *Radio Orange*, *contemporary art culture program*, Vienna
- 2003 Peter Mörtenböck, "Skriptlose Räume: Architekturen des Cyberspace", Flagge, I. (ed.): *Architektur und Wahrnehmung. Jahrbuch Licht und Architektur 2003*, Deutsches Architekturmuseum (DAM) Frankfurt, DE
- 2003 "Uzume", interview, *Pixel Magazine* 2(3), Paris
- 2003 Marie Lechner, "Uzume, miroir déformant", *Libération*, *rubric Numériques*, 17/01/2003, Paris
- 2002 interview in Documentos Mediarama series no. 9: Real time (director: Pedro Pinzolas), Canal 2 Andalucía broadcast, Spain, September 2002
- 2002 Art Beat Chicago, *WTTW broadcast*, Chicago, May 2002

- 2001 Barbara Robertson, "Immersed in Art", *Computer Graphics World* 11(1), New York  
2001 "Interactive Architektur", *Fachmagazin der Architektur* 3(1), Vienna