

## Michael Madary

Assistant Professor  
University of the Pacific  
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### AREAS OF SPECIALIZATION

Philosophy of Mind (interdisciplinary), Ethics of Emerging Technology

### AREAS OF COMPETENCE

History of Philosophy, Ethics, Epistemology, Metaphysics, Philosophy of Science, Logic

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### PROFESSIONAL BACKGROUND

Visiting Assistant Professor – Tulane University  
(2017-2019)

Post-doctoral Researcher – EU Project VERE: *Virtual Embodiment and Robotic Re-Embodiment*, (€8.5 million) [www.vereproject.eu/](http://www.vereproject.eu/)  
Based at Johannes-Gutenberg University Mainz  
(2010-2016)

Teaching Fellow – ESF Project CNCC: *Consciousness in a Natural and Cultural Context*, (€4.3 million) <http://www.esf.org/index.php?id=391>  
Based at the University of Bristol  
(2007-2009)

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### PUBLICATIONS

#### Books

*Visual Phenomenology*, MIT Press, 2016.  
*Perception, Action, Consciousness: Sensorimotor Dynamics and Dual Vision* edited with N. Gangopadhyay and F. Spicer, Oxford University Press, 2010.

#### Articles

“Virtual Reality Ethics” with Thomas Metzinger, *LSN Global* (op-ed) 26 April 2016.  
“Real Virtuality: A Code of Ethical Conduct. Recommendations for Good Scientific Practice and the Consumers of VR-Technology” with Thomas Metzinger, *Frontiers in Robotics and AI*, February 2016.  
“Intentionality and Virtual Objects: The Case of Qiu Chengwei’s Dragon Sabre” *Ethics and Information Technology*, 16 (2014) 219-225.  
“Anticipation and Variation in Visual Content” *Philosophical Studies*, 165 (2013) 335-347.  
“Placing Area MT in Context” *The Journal of Consciousness Studies*, 20 (2013) 93-104.  
“Husserl on Perceptual Constancy” *European Journal of Philosophy* 20 (2012) 145-165.

- “The Dorsal Stream and the Visual Horizon” *Phenomenology and the Cognitive Sciences* 10 (2011) 423-438.
- “The Puzzle of Perspective” *Think* 9 (2010) 57-63.
- “Specular highlights as a guide to perceptual content” *Philosophical Psychology* 21 (2008) 629-639.

#### Book Chapters

- “Husserl Takes Santonin” in *The Senses and the History of Philosophy*, B. Glenney and J. F. Pereira da Silva, eds. Routledge, 2019.
- “Seeing our World” in *Normativity in Perception*, M. Doyon and T. Breyer, eds. Palgrave Macmillan, 2015.
- “Visual Experience” in *The Routledge Handbook of Embodied Cognition*. L. Shapiro, ed. Routledge, 2014.
- “Showtime at the Cartesian Theater? Vehicle Externalism and Dynamical Explanations” in *Consciousness in Interaction: The Role of the Natural and Social Context in Shaping Consciousness*. F. Paglieri, ed. John Benjamins, 2012.
- “Sensorimotor Dynamics and Dual Vision: An Introduction” with N. Gangopadhyay and F. Spicer in *Perception, Action, and Consciousness: Sensorimotor Dynamics and Dual Vision*. Gangopadhyay, Madary, and Spicer, eds. Oxford University Press, 2010.

#### Reviews and Commentaries

- “Review of Alva Noë's *Varieties of Presence*” *Philosophical Quarterly*, 66 (2016) 186-189.
- “Extending the Explanandum: A Commentary on Andy Clark” in *Open MIND*. T. Metzinger and J. Windt, eds. Imprint, 2015. URL = open-mind.net
- “Review of István Aranyosi's *The Peripheral Mind*” *The Journal of Mind and Behavior* 35 (3) 2014.
- “Perceptual presence without counterfactual richness” *Cognitive Neuroscience* 5 (2014) 131-133.
- “How would the world look if it looked as if it were encoded as an intertwined set of probability density distributions?” *Frontiers in Psychology* 3 (2012).  
doi:10.3389/fpsyg.2012.00419
- “Review of Mark Rowland's *The New Science of the Mind*” *The Journal of Mind and Behavior* 32 (2011).

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## **TEACHING**

### University of the Pacific

Philosophy of Science  
Introduction to Cognitive Science  
Sensation and Perception  
Introduction to Logic

### Tulane University

Technology Ethics  
Reality & Virtual Reality  
Introduction to Philosophy  
Elementary Symbolic Logic  
Philosophy of Mind  
Philosophy of Perception  
Language and Thought  
Consciousness

#### Universität Mainz

Philosophy of Mind  
Ethics and Information Technology  
Epistemology  
Ancient and Medieval Philosophy of Mind  
Research Ethics  
Agency and Responsibility  
Social Cognition  
Color  
Philosophy of Neuroscience  
Edmund Husserl  
Phenomenology of Vision  
Metaphysics  
Introduction to Neuroethics

#### University of Bristol

Graduate Level:  
Philosophy of Psychology (unit director)  
Seminar in Metaphysics and Epistemology (with Anthony Everett)  
Undergraduate Level:  
Philosophy of Mind (unit director)  
Introduction to Philosophy A: Metaphysics and Epistemology (seminar)  
Introduction to Philosophy B: Ethics and Political Philosophy (seminar)

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#### **PRESENTATIONS** (selected)

“Your Phone Made You Do It: The Illusion of Agency in Human-Computer Interaction”  
*University of the Pacific Humanities Center Colloquium Series* March 2020  
“Robotic Warriors: The Technological Paradigm Shift in Warfare and its Ethical Implications” *Austrian National Defense Academy* November 2017  
“A Code of Ethics for Virtual Reality” (keynote) *CopenX* September 2017, Copenhagen  
“The Ethics of Virtual Reality: Risks and Recommendations” *VR World Congress* April 2017, Bristol UK; *GLOBART Academy* September 2016, Austria  
“Drama, Empathy, and Immersive Technology” *Filmakademie Baden Württemberg* November 2016, Stuttgart  
“Humans and Technology: The Limits of Virtual Reality” *Digital Banking Day* September 2016, Munich.  
“The Ethics of Virtual Reality” (keynote) *Basta! Conference for .NET, Windows & Open Innovation* September 2016, Mainz.  
“The Limits of Virtual Reality” *Media Future Day* June 2016, Zürich.  
“Exploring the Ethics of VR” *Virtually There: Documentary Meets Virtual Reality* May 2016, Massachusetts Institute of Technology.  
Panel Discussion on “The Present and Future of Virtual Reality” *FMX* April 2016, Stuttgart.  
“When Perceptual Anticipation Goes Awry: Trailing, Palinopsia, and Akinetopsia” October 2015, University of Edinburgh.  
“VERE Workshop on Ethics” March 2014, Montpellier (organized and led).  
“External Manipulation” *American Philosophical Association Eastern Division Meeting* December 2013, Baltimore.  
“Seeing Our World” *Normativity in Perception* August 2013, Montreal; *Osnabrück Cognitive Science Colloquium* April 2013; *MIND Meeting* March 2013, Zürich.

- “Beneficence and Autonomy in Virtual Reality” *VERE Meeting* February 2012, Tel Aviv.
- “Intentionality and Virtual Objects: The Case of Qiu Chengwei’s Dragon Sabre” *Kill Switch: The Ethics of Simulation* November 2011, Munich.
- “Intersubjectivity and Authenticity in Virtual Reality” *VERE Meeting* June 2011, Pisa.
- “The Ethics of Virtual Reality” *VERE Meeting* December 2010, Porto.
- “The Dorsal Stream and the Visual Horizon” Center for Subjectivity Research, Copenhagen May 2010.
- “Placing Area MT in Context” *Interacting Minds*, Aarhus January 2009, CONTACT Workshop, Bristol December 2008.
- “The Active Brain” *CONTACT Workshop*, Edinburgh September 2008.
- “On the Ontology of Neural Dynamics” *Theory in Cognitive Neuroscience*, Bavaria November 2007.
- “The Process of Perception” *Cognition: Embodied, Embedded, Enactive, Extended*, University of Central Florida October 2007.
- “Three Features of Perspectival Content” (with Thiemo Breyer) *Towards a Science of Consciousness*, Budapest July 2007.
- “What specular highlights tell us about perspectival content” *Graduate/Post-doctoral conference in Philosophy of Psychology, Neuroscience, and Biology (PPNB)*, University of Bristol, March 2007.
- “The perspectival challenge to representationalism” *American Philosophical Association Eastern Division Meeting*, Washington, DC. December 2006.
- “What neural representations mean for the philosophy of perception.” *Freiburg Bernstein Center for Computational Neuroscience* (Bernstein Lecture Series), Freiburg, Germany, February 2006.
- “Two ways in which embodied non-conceptual content facilitates conceptual visual awareness.” *Southern Society for Philosophy and Psychology*, New Orleans, LA. April 2004.

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## **MEDIA** (selected)

- The New Yorker*, “Are We Already Living in Virtual Reality?” by Joshua Rothman, 2 April 2018.
- CBC Radio*, “Keeping it Real in Virtual Reality” interview by Mary Hynes, 8 October 2017.
- The Guardian* “After, I feel ecstatic and emotional: could virtual reality replace therapy?” by Simon Hattenstone, 7 October 2017
- Der Spiegel*, “Sex in der virtuellen Realität” interview by Markus Böhm and Francesco Giammarco, 12 November 2016.
- Die Welt*, “Virtual Reality ist eine Art Massenversuch” by Stefanie Michel, 1 September 2016.
- WIRED.it*, “Oculus Rift vs Htc Vive, confront approfondito tra visori per realtà virtuale” by Emilio Cozzi, 28 June 2016.
- BBC World Service: World Update*, interview by James Menendez, 18 May 2016.
- Süddeutsche Zeitung*, “Ich sehe was, das du nicht siehst” interview by Benedikt Frank, 18 May 2016.
- The New Yorker*, “The Coming Horror of Virtual Reality” by Simon Parkin, 15 May 2016.
- The Hollywood Reporter*, “Virtual Reality’s Long-Term Effects Debated” by Carolyn Giardina, 26 April 2016.
- Neon*, “Un code éthique contre les dangers de la réalité virtuelle” by Clémence Postis, 22 March 2016.
- Breitband Deutschlandradio Kultur*, “Zu nah, zu real?” interview by Julia Eikmann and Moritz Metz, 19 March 2016.

*Motherboard – Vice*, “We’re Already Violating Virtual Reality’s First Code of Ethics” by Daniel Oberhaus, 6 March 2016.

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## **EDUCATION**

Ph.D. Philosophy *Tulane University* 2007

DAAD (German Exchange Service) Research Grant, *University of Freiburg* 2006

Visiting Researcher, *Freiburg Bernstein Center for Computational Neuroscience and Freiburg Husserl Archive*

M.A. Philosophy / Cognitive Science *University of Houston* 2003

B.A. Philosophy *University of Dallas* 1999

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## **REFERENCES**

Radu Bogdan

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Thomas Metzinger

Theoretische Philosophie

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Susanna Siegel

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## **LANGUAGES**

English (native)

German (proficient)

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## **SERVICE**

Associate Editor, *Frontiers in Virtual Reality and Human Behavior*

Ethics Advisor, *Research Centre on Interactive Media, Smart Systems and Emerging Technologies* (RISE), Nicosia, Cyprus

External Advisory Board, EC Project RHUMBO: modelling and pRedicting Human decision-making Using Measures of subconscious Brain processes through mixed reality interfaces and biOmetric signals

External reviewer, *European Commission*

Review panel member, *European Science Foundation*

### Journal Referee

*Dialectica* (2019)

*Synthese* (2018)

*Inquiry* (2018)

*Analysis* (2017)

*Australasian Journal of Philosophy* (2016, 2019)

*Presence: Teleoperators and Virtual Environments* (2014)

*Avant: Trends in Interdisciplinary Studies* (2014)

*Philosophical Quarterly* (2013, 2014)

*Philosophical Studies* (2013)

*Frontiers in Psychology* (2013)

*Philosophia* (2013)

*Balkan Journal of Philosophy* (2013)

*The Journal of Consciousness Studies* (2012, 2013)

*Phenomenology and the Cognitive Sciences* (2011, 2012, 2013, 2014, 2015, 2016, 2017)

*Philosophical Psychology* (2008, 2013, 2018)

*The British Journal for the Philosophy of Science* (2007, 2010)

*Ergo* (2017)

### Press Referee

Routledge (2013, 2016, 2019)

Oxford University Press (2007, 2009)