

# MARCELLO DI BELLO

www.marcellodibello.com

975 S. Myrtle Ave - 4th floor

P.O.Box 874302

Tempe, AZ 85287-4302

✉ mdibello@asu.edu

## EDUCATION

<b>Stanford University</b> , Ph.D., Philosophy	2007–2013
DISSERTATION: <i>Statistics and Probability in Criminal Trials</i>	
<b>University of Amsterdam</b> , M.Sc., Logic	2005–2007
M.SC. THESIS: <i>Formalizing Legislation in the Event Calculus</i>	
<b>Catholic University of Milan</b> , B.A., Philosophy	2001–2004

## ACADEMIC POSITIONS

<b>Arizona State University</b>	from 2020
ASSISTANT PROFESSOR, <i>School of Historical, Philosophical &amp; Religious Studies</i>	
<b>Lehman College, City University of New York</b>	2014–2020
ASSISTANT PROFESSOR, <i>Department of Philosophy</i>	
<b>Institute for Advanced Study, Princeton</b>	2016–2017
INFOSYS FELLOW, <i>School of Social Science</i>	
<b>Stanford University</b>	2014
LECTURER, <i>Department of Philosophy</i>	

## RESEARCH INTERESTS

Statistics in the law; risk and decision-making; evidence and probability; algorithmic fairness

## GRANTS / AWARDS

PSC-CUNY Research Grant	2020–2021
Faculty Fellowship Publication Program, CUNY	2019–2020
Summer Seminar in the Philosophy of Statistics, Virginia Tech	2019
PSC-CUNY Research Grant	2016–2017
Infosys Fellowship, IAS, Princeton	2016–2017
Scholar Incentive, Lehman College, CUNY	2016–2017
PSC-CUNY Research Grant	2015–2016
Huygens Scholarship, Netherlands Organization for International Cooperation	2006–2007

## JOURNAL ARTICLES

<b>“A Probabilistic Analysis of Cross-examination Using Bayesian Networks”</b>	forthcoming
<i>Philosophical Issues (a supplement to Noûs)</i>	
<b>“When Statistical Evidence Is Not Not Specific Enough”</b>	forthcoming
<i>Synthese</i>	
<b>“Profile Evidence, Fairness and the Risks of Mistaken Convictions”</b> (w/ Collin O’Neil)	2020
<i>Ethics</i> , 130	
<b>“Plausibility and Reasonable Doubt in the Simonshaven Case”</b>	2020
<i>Topics in Cognitive Science</i> , 12 (4)	

JOURNAL ARTICLES (cont'd)	<p><b>"Proof Paradoxes and Normic Support: Socializing or Weakening?"</b> <i>Mind</i>, 129 (516) 2020</p> <p><b>"Trial by Statistics: Is a High Probability of Guilt Enough to Convict?"</b> <i>Mind</i>, 128 (512) 2019</p> <p><b>"Plausibility and Probability in Juridical Proof"</b> <i>International Journal of Evidence and Proof</i>, 23(1/2) 2019</p> <p><b>"Can Probability Theory Explain Why Closure Is Both Intuitive and Prone to Counterexamples?"</b> <i>Philosophical Studies</i>, 175(9) 2018</p> <p><b>"Epistemic Closure, Assumptions and Topics of Inquiry"</b> <i>Synthese</i>, 191(16) 2014</p>
ENCYCLOPEDIA ENTRIES	<p><b>"Legal Probabilism"</b> (w/ Rafal Urbaniak) 2021 <i>Stanford Encyclopedia of Philosophy</i></p>
EDITED VOLUMES	<p><b>"Evidence and Decision Making in the Law"</b> 2020 Guest editor with Bart Verheij <i>Artificial Intelligence and Law</i>, 28, special issue</p>
CHAPTERS/ PROCEEDINGS	<p><b>"Evidential Reasoning"</b> (w/ Bart Verheij) 2018 Bongiovanni, Postema, Rotolo, Sartor, Valentini and Walton (eds) <i>Handbook of Legal Reasoning and Argumentation</i>, Springer</p> <p><b>"Betraying Davidson: The Quest for the Incommensurable"</b> 2009 Carrara and Morato (eds) <i>Language, Knowledge and Metaphysics</i>, College Publications</p> <p><b>"The LKIF Core Ontology of Basic Legal Concepts"</b> (w/ Hoestra, Breuker and Boer) 2007 Casanovas, Biasiotti, Francesconi and Sagri (eds) <i>Proceedings of the Workshop on Legal Ontologies and Artificial Intelligence Techniques</i></p>
REVIEWS	<p><b>"Douglas Walton: Argument Evaluation and Evidence"</b> (w/ Bart Verheij) 2018 <i>Argumentation</i>, 32(2)</p>
TRANSLATIONS	<p><b>"L'individualizzazione come decisione"</b> 2020 <i>Philosophical Readings</i>, 12(2) – Italian translation of Alex Biederdam, Franco Taroni and Silvia Bozza "The Decisionalization of Individualization," <i>Forensic Science International</i>, 266</p>
TALKS (* = peer-reviewed)	<p><b>"Resolving Algorithmic Fairness"</b> (w/ Ruobin Gong) Nov. 2020 Australian National University</p> <p><b>*"Is Algorithmic Fairness Possible?"</b> – postponed Nov. 2020 Biennial Meeting of the Philosophy of Science Association, Baltimore</p> <p><b>"Probability and Conviction"</b> – cancelled Aug. 2020 Netherland Institute for Advanced Study</p> <p><b>"Statistical versus Specific Evidence"</b> Mar. 2020 University of California, San Diego, Halicioglu Data Science Institute</p> <p><b>*"Varieties of Statistical Evidence"</b> – cancelled Mar. 2020 Philosophy, Politics, and Economics Society, New Orleans</p>

TALKS (cont'd) (* = peer-reviewed)	"Profile Evidence, Fairness and the Risks of Mistaken Convictions" University of Alabama, Department of Philosophy	Jan. 2020
	"Is Algorithmic Fairness Possible?" Rutgers University	Nov. 2019
	"Comments on Dahlman's 'Statistical Evidence and the Futility of Lawful Conduct'" University of Groningen	Nov. 2019
	"Statistics in the Courtroom: What Is Wrong With Them?" University of Nevada, Las Vegas	Feb. 2019
	"Statistics in the Courtroom: Do They Threaten the Fair Trial?" Polytechnic University of Milan	Jan. 2018
	"Rethinking the Prosecutor's Fallacy" CUNY Graduate Center, Philosophy Colloquium	Nov. 2017
	*"Does More Evidence Lead to Fewer Errors?" High Performance Computing Center, University of Stuttgart	Oct. 2017
	*"A Two-dimensional Theory of Proof Beyond a Reasonable Doubt" Truth and the Criminal Trial, University of Nottingham	June 2017
	"Statistics in the Courtroom: Do They Threaten the Fair Trial?" Institute for Advanced Study, Princeton	April 2017
	"Statistics in the Courtroom: Do They Threaten the Fair Trial?" University of Lausanne	Jan. 2017
	*"Can Probability Explain the Successes and Failures of Epistemic Closure?" XII SIFA Conference, University of Siena	Sept. 2016
	*"Fairness and Statistical Evidence" XII SIFA Conference, University of Siena	Sept. 2016
	*"Is a High Probability of Guilt Enough to Convict?" Legal Theory Research Group, University of Edinburgh	Jan. 2016
	"Is a High Probability of Guilt Enough to Convict?" International AI & Law Conference, University of San Diego	June 2015
	"Is a High Probability of Guilt Enough to Convict?" University of Bayreuth	May 2015
	"Beyond a Reasonable Doubt: Probability and Certainty in Criminal Trials" Catholic University of Milan	May 2015
	"Statistics, Eyewitnesses, and Fingerprints" International Conference on Law, Governance and Development, Bangalore	May 2012
	"The Wells Effect, Lotteries, and Newspapers" National Institute of Advanced Studies, Bangalore	Aug. 2011
	"DNA evidence: the Illusionary Precision of Numbers" Alternative Law Forum, Bangalore	Aug. 2011
	*"Betraying Davidson: a Quest for the Incommensurable" First SIFA Graduate Conference, University of Padua	Sept. 2007

TEACHING (* = T.A.)	ASU	Algorithmic Fairness Bayesian Networks in Philosophy Philosophy of Law Ethics, Big Data and AI	Fall 2021 Spring 2021 Fall 2020, Spring 2021, Fall 2021 Fall 2020
	LEHMAN	Asian Philosophies Introduction to Logic Is the Criminal Justice System Racist? Philosophy of Law Legal Reasoning Critical Reasoning Problems of Philosophy	Spring 2019 Spring 2019, 2020 Spring 2018 Spring 2015, 2016, 2020 Fall 2015, 2017, 2019 Fall 2014, 2017, 2018; Spring 2015, 2016, 2018 Fall 2014, 2015, 2017, 2019
	BAYREUTH	Math on Trial Convicting the Innocent	Summer 2015 Summer 2016
	STANFORD	Introduction to Logic Probability and the Law Political Philosophy* Ancient Greek Philosophy* First-order Logic (up to completeness)*	Spring 2014 Winter 2013, 2014 Spring 2010 Winter 2012 Winter 2009, Spring 2011
	QINGDAO	Introduction to Statistics Introduction to Philosophy	Summer 2013 Summer 2013
REFEREEING	<i>Episteme; Ethics; Philosopher's Imprint; Mind; Australasian Journal of Philosophy; Journal of Moral Philosophy; Analysis; Philosophy Compass; International Journal of Evidence &amp; Proof; Philosophical Studies (×3); Law, Probability, and Risk; Philosophical Quarterly; Philosophy of Science (×2); Applied Ontology; Erkenntnis; Synthese (×3); Artificial Intelligence and Law (×3); Frontiers in Sociology; Philosophical Perspectives</i>		
ORGANIZATION CONFERENCES/ SYMPOSIA	“Is Racial Equity Possible?” Lehman College, CUNY		March 2019
	“Fighting Fake News with Math and Logic” Lehman College, CUNY		May 2018
	“Evidence and Decision Making in the Law” King's College London		June 2017
	“Studying Evidence in the Law” University of San Diego		June 2015
	“The Killing of Michael Brown and Eric Gardner” Lehman College, CUNY		May 2015
	“Trial With and Without Mathematics” Stanford Law School		May 2014
SUPERVISION	Samuel Thomas, “De Re Beliefs and Evidence in Legal Cases’ M.A. Thesis in Philosophy (main advisor) Arizona State University		2021
	Charles Barclay, “Formal Tools in the Law” Ph.D. Thesis in Philosophy (committee member) University of Maryland		2021

- 
- Tera Phelps, "Horror and Slasher Films: A New Perspective" 2020  
B.A. Thesis in Philosophy  
Lehman College
- Tasmina Khair, "Philosophical Considerations of Juvenile Incarceration Trajectories from Adverse Childhood Experiences" 2019  
B.A. Thesis in Philosophy  
Lehman College
- Lillian Rosado Barreto, "The Perpetuation of Mass Incarceration" 2018  
B.A. Thesis in Political Science and Philosophy  
Lehman College
- Lino Hower, "Consequentialism and Rights" 2016  
B. A. Thesis in Philosophy and Economics  
University of Bayreuth