



**IDPCC**  
Instituto de Direito Penal e de Ciências Criminais

**I**nstituto  
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**C**riminais

***Third International Conference on Quantitative Justice and Fairness***

**Inference and Causality**

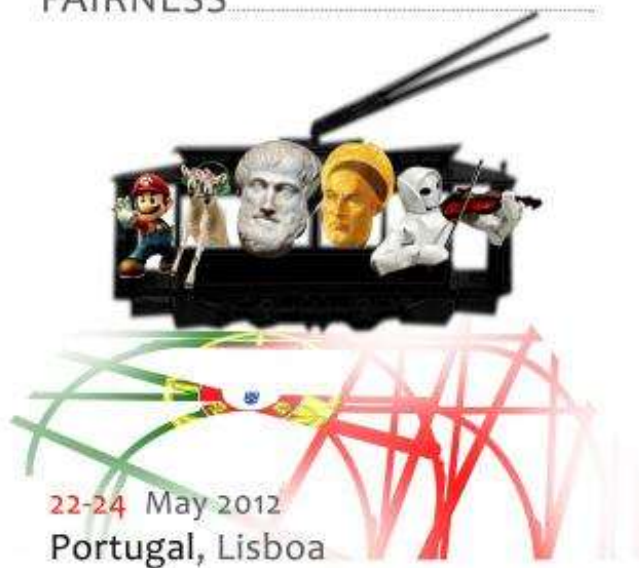
**Lisbon, 22-24 May 2012**

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III INTERNATIONAL CONFERENCE ON

QUANTITATIVE JUSTICE AND  
FAIRNESS





## PROGRAM

### 22<sup>nd</sup> May, 09h00m – Opening Session

- *Welcome by the Chancellor of the University of Lisbon*  
Professor António Sampaio da Nóvoa (to be confirmed)
  
- *Welcome by the Director of the Faculty of Law – University of Lisbon*  
Professor Eduardo Vera-Cruz Pinto
  
- *Welcome by the President of the Erasmus Office of the University of Lisbon*  
Professor Vasco Pereira da Silva
  
- *Introduction to the Conference by the President of the Institute of Criminal Law and Criminal Sciences*  
Professor Maria Fernanda Palma
  
- *Opening comments regarding QAJF 2012*  
Professor Peter Tillers

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### ***First Day – Inference and Causality***

### 22<sup>nd</sup> May, 9h30m – Session 1 – Logical and Scientific Perspectives

1. *Causal explanations and inference networks* (Paolo Garbolino, Università Luav di Venezia)
2. *Causality and reasoning* (José de Faria Costa, Faculdade de Direito da Universidade de Coimbra)
3. *Practical causality* (Joseph L. Gastwirth, George Washington University)



4. *We should forbid bayesian analysis and reasoning: a note on myth, fear and misunderstanding* (Rainhard Bengesz, TU München)
5. *Fuzzy logic modelling* (Gautam Dasgupta, Columbia University)
6. *Social science and manipulability* (Alexander Prescott-Couch, Harvard University)

**22<sup>nd</sup> May, 14h30m – Session 2 – Conceptual Frameworks in Law**

7. *A semantic model for causality in criminal law and the need of legal criteria for the attribution of causality* (Paulo de Sousa Mendes, Faculdade de Direito da Universidade de Lisboa, and José Carmo, Centro de Ciências Exactas e da Engenharia da Universidade da Madeira)
8. *Evidence (or proof?) as law's gaping wound: a false persistent aporia?* (José Aroso Linhares, Faculdade de Direito da Universidade de Coimbra)
9. *A process approach to inferences of causation: empirical research from vaccine cases in the United States* (Vern R. Walker, Maurice A. Deane School of Law at Hofstra University)
10. *Evidence models and proof of causation* (Rui Soares Pereira, Faculdade de Direito da Universidade de Lisboa)
11. *A dual-process model of fact-finding inference* (Mark Spottswood, Florida State University College of Law)

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***Second Day – Inference and Causality***

**23<sup>rd</sup> May, 9h00m - Session 3 – Concepts Justifying Legal Action**

12. *Cause, responsibility, and blame* (Joseph Halpern, Cornell University)
13. *Causality and complicity* (Helena Morão, Faculdade de Direito da Universidade de Lisboa)
14. *Liability for damages without causation: one case of 'prevention costs'* (Pedro Múrias, Faculdade de Direito da Universidade de Lisboa)
15. *Proof beyond a context-relevant doubt: old wine in a new bottle? examining what shifts when changing the standard of proof* (Kyriakos Kotsoglou, University of Freiburg, Germany)



**23<sup>rd</sup> May, 11h00m - Session 4 – Concepts of Legal Remedy**

16. *A mathematical formula for measuring punishment* (José de Sousa e Brito, Faculdade de Direito da Universidade Nova de Lisboa)
17. *Value in resilience* (Dale Nance, Case Western University School of Law)
18. *Proportionality and punishment in criminal law* (Feliciano Tafuri, University of Naples and LMU-University of Munich)
19. *The appropriateness of survival analysis for determining lost pay in discrimination cases: application of the 'lost chance' doctrine to Alexander v. Milwaukee* (Qing Pan, George Washington University)

**23<sup>rd</sup> May, 14h30m – Session 5 – Legal Applications**

20. Subject to be defined (Nuno Caiado, Direção Geral de Reinserção Social – Ministério da Justiça)
21. *The data base of DNA profiles: overview and some fundamental issues* (Instituto Nacional da Medicina Legal)

***Third Day – Consequentialism, Distributive Justice and General Q-Justice Topics***

**24<sup>th</sup> May, 9h00m – Session 6 – Ethics and Praxis**

22. *Some critical remarks on consequentialist ethics from an adherent to formal ethics* (Ruth Hagenruber, Universität Paderborn)
23. *From centrifugal teleology to centripetal axiology(?): (in)adequacy of the movement of law to the velocity of praxis* (Ana Margarida Gaudêncio, Faculdade de Direito da Universidade de Coimbra)



24. *Responsiveness between 'ethics of alterity' and 'consequentialism': a new principle of public social law beyond normativism and functionalism?* (Luís Menezes do Vale, Faculdade de Direito da Universidade de Coimbra)
25. *Causality, Logic and Complexity: Reflections from Research on (Non-)Violence* (Markus Fath, Ludwig-Maximilians-Universität München)

**24<sup>th</sup> May, 10h30m – Session 7 – General Problems for Law**

26. *The law's capacity for vagueness* (Doris Liebwald, University of Vienna & University of Wuppertal)
27. *Justice and logic* (Hajime Yoshino, Meiji Gakuin University)
28. *Pluralism, proportionality and process* (Bruce Chapman, Faculty of Law, University of Toronto)

**24<sup>th</sup> May, 14h00m – Session 8 – Distributing Justice**

29. *Agency and responsibility from the viewpoint of a self-other related individual: Reaching beyond methodological individualism* (Marie-Cecile Bertau, University of Munich)
30. *Constraints faced in the path to judicial professionalization* (Geeta Oberoi, Maharashtra judicial academy, Mumbai)
31. *Decentralization in Peru: the constitutional and legal position of regions* (Maria Bertel, University of Innsbruck)

**24<sup>th</sup> May, 16h00m – Session 9 – Arts and Artifacts**

32. *Metrology and the law: legal profiles of the use and counterfeiting of weights and measures in the antique world* (Mariagrazia Rizzi, Università degli Studi di Milano-Bicocca)
33. *The measure of invention: perils and potential of patent mining, patent visualization and patent mapping* (Georg Jakob, Förderverein für eine Freie Informationelle Infrastruktur, München)



34. *Justice as subject in the arts - present and past* (Gerhard Spilgies, University of Bielefeld & Osnabrück, and Endla Toots, University of Riga)

**24<sup>th</sup> May, 17h30m – Closing Session**

- *Closing remarks by Professor Rainhard Bengez (QAJF)*
- *Closing comments by the President of the Scientific Council of the Faculty of Law – University of Lisbon*

Professor Pedro Romano Martinez