

# Curriculum vitae

Chiara Renso

## Anagraphical data

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## 1 Education

- Master Degree in Computer Science at l'University of Pisa, 9 October 1992, vote 108/110.
- PhD in Computer Science at University of Pisa, 12 May 1998. The title of the thesis is "Mechanisms for Semantic Integration of Deductive Databases".

## References

### 1.1 PhD Thesis

- [1] C. Renso. *Mechanisms for Semantic Integration of Deductive Databases*. PhD thesis, Dipartimento di Informatica, Università di Pisa, 1998.

### 1.2 Book Editor

- [2] Chiara Renso, Stefano Spaccapietra, Esteban Zimanyi Editors. *Mobility data: modeling, management and understanding*. Cambridge Press. To be published in 2013.

### 1.3 Journal Editor

- [3] Chiara Renso, Vania Bogorny, Hui Xiong. Special issue on "Context-aware data mining (CADM)". *Knowl. Inf. Syst.* 28(2): 249-250 (2011)
- [4] Wenjun Zhou, Chiara Renso, Vania Bogorny, Hui Xiong, Special Issue on Modeling Tools for Extracting Useful Knowledge and Decision Making International Journal of Knowledge and Systems Science (IJKSS), Volume 3: 2 Issues (2012)
- [5] Maria Luisa Damiani, Chiara Renso. Introduction to this special issue: semantic and symbolic trajectories. *SIGSPATIAL Special* 7(1): 2 (2015)

### 1.4 Journals

- [6] D. Aquilino, P. Asirelli, C. Renso, and F. Turini. Applying restriction constraint to deductive databases. *Annals of Mathematics and Artificial Intelligence*, 19:3–25, 1997.
- [7] C. Renso and S. Ruggieri. A Mediator Approach for Representing Knowledge Intelligent Multimedia Presentation Systems. *Human Computer Interaction Letters*, 1 (1): 32-38, April 1998.
- [8] A. Brogi, C. Renso, and F. Turini. Dynamic composition of parameterised logic modules. *Computer Languages*, 25(4):211–242, 1999.
- [9] D. Aquilino, P. Asirelli, A. Formoso, C. Renso, and F. Turini. Using median to integrate geographical data. *Journal of Logic Programming*, 43(1):3–14, 2000.
- [10] F. Bonchi, F. Giannotti, C. Gozzi, G. Manco, M. Nanni, D. Pedreschi, C. Renso, S. Ruggieri. Web log data warehousing and mining for intelligent web caching. *Data and Knowledge Engineering*, 39:165, November 2001.

- [11] P. Mancarella, A. Raffaetà, C. Renso, and F. Turini. Integrating knowledge representation and reasoning in geographical information systems. *International Journal of GIS*, Vol 18 (4), June 2004.
- [12] T. Ceccarelli, D. Centeno, F. Giannotti, A. Massolo, C. Parent, A. Raffaet, C. Renso, S. Spaccapietra, F. Turini. An Application of Advanced Spatio-Temporal Formalisms to Behavioural Ecology *Geoinformatica*, Volume 12, Number 1 / March, 2008
- [13] M. Baglioni, E. Giovannetti, M.V. Masserotti, C. Renso, L. Spinsanti. Ontology-driven querying of geographical databases. *Transactions in GIS* Volume 12, Issue s1, Date: December 2008, Pages: 31-44
- [14] Roberto Trasarti, Fosca Giannotti, Mirco Nanni, Dino Pedreschi, Chiara Renso. A Query Language for Mobility Data Mining. *International Journal of Data Warehousing and Mining (IJDWM)* Vol. 7 Number 1, January 2011.
- [15] Wachowicz, M. R. Ong, Renso, C. M. Nanni, Discovering Moving Flock Patterns among Pedestrians through Spatio-Temporal Coherence. *International Journal of Geographical Information Science* 25(11): 1849-1864 (2011)
- [16] Fosca Giannotti, Mirco Nanni, Dino Pedreschi, Fabio Pinelli, Chiara Renso, Salvatore Rinzivillo, Roberto Trasarti. Unveiling the complexity of human mobility by querying and mining massive trajectory data. *The VLDB Journal*, volume 20, number 5, 2011, pages 695-719
- [17] Alisson Loy, Vania Bogorny, Chiara Renso, Luis Otavio Alvares. An algorithm to identify avoidance behavior in moving object trajectories. *Journal of the Brazilian Computer Society*. 17(3): 193-203 (2011).
- [18] Anna Monreale, Roberto Trasarti, Dino Pedreschi, Chiara Renso, Vania Bogorny. Data privacy for the semantic trajectories of human mobility. *Transactions on Data Privacy*. 4(2): 73-101 (2011).
- [19] Chiara Renso; Miriam Baglioni; Jose Macedo; Roberto Trasarti; Monica Wachowicz. How you move reveals who you are: understanding people's behavior by analyzing trajectory data. Accepted for Publication at KAIS - Knowledge and Information Systems Journal Special issue on Behavior Computing. Online First KAIS, 19 June 2012.
- [20] Parent C, Spaccapietra S, Renso C, Andrienko G, Andrienko N, Bogorny V, Damiani M L, Gkoulalas-Divanis A, Macedo J A, Pelekis N, Theodoridis Y, and Yan Z. Semantic Trajectories Modeling and Analysis. *ACM Computing Surveys*, Volume 45 Issue 4, August 2013
- [21] Vania Bogorny, Chiara Renso, Artur Ribeiro de Aquino, Fernando de Lucca Siqueira, Luis Otavio Alvares. CONSTAnT - A Conceptual Data Model for Semantic Trajectories of Moving Objects. *Transaction in GIS*, Online first, February 2013.

- [22] Andre S. Furtado, Renato Fileto, Chiara Renso Assessing the Attractiveness of Places with Movement Data – Journal of Information and Data Management, Vol 4, No 2, 2013.
- [23] Maria Luisa Damiani, Chiara Renso Introduction to this special issue: semantic and symbolic trajectories. SIGSPATIAL Special 7(1): 2 (2015)
- [24] Igo Brilhante, Franco Maria Nardini, Raffaele Perego, Chiara Renso, Jose Macedo, On Planning Sightseeing Tours with TripBuilder Information Processing & Management journal - Volume 51, Issue 2, March 2015, Pages 115
- [25] Renato Fileto, Cleto May, Chiara Renso, Nikos Pelekis, Douglas Klein, Yannis Theodoridis The Baquara2 knowledge-based framework for semantic enrichment and analysis of movement data. Data Knowl. Eng. 98: 104-122 (2015)
- [26] Igo Ramalho Brilhante, Jos Antnio Fernandes de Macdo, Franco Maria Nardini, Raffaele Perego, Chiara Renso Planning sightseeing tours using crowdsensed trajectories. SIGSPATIAL Special 7(1): 59-66 (2015)
- [27] Fbio C Albuquerque, Marco A Casanova, Hlio Lopes, Luciana R Redlich, Jos Antonio F de Macedo, Melissa Lemos, Marcelo Tilio M de Carvalho, Chiara Renso A methodology for traffic-related Twitter messages interpretation Computers in Industry 78: 57-69 (2016)
- [28] M. Coletto, A. Esuli, C. Lucchese, CI. Muntean, FM. Nardini, R. Perego, C. Renso Perception of social phenomena through the multidimensional analysis of online social networks Online Social Networks and Media 1, 14-32
- [29] Amílcar Soares Júnior, Chiara Renso, Stan Matwin ANALYTIC: An Active Learning System for Trajectory Classification IEEE Computer Graphics and Applications, volume 37, number 5, pages 28–39, 2017

## 1.5 Book Chapters

- [30] M. Nanni, A. Raffaetà, C. Renso, F. Turini A declarative framework for reasoning on spatio-temporal data Book chapter in Spatio-temporal databases, flexible querying and reasoning, R. de Caluwe, G. de Tr, G. Bordogna editors, Physica Verlag 2004.
- [31] H. Hosni, M.V. Masserotti, C. Renso Maximum Entropy Reasoning for GIS in Flexible Databases supporting Imprecision and Uncertainty, Physica Verlag, June 2006
- [32] Monica Wachowicz, Arend Ligtenberg, Chiara Renso, and Seda Gurses Characterising the next generation of mobile applications through a privacy-aware geographic knowledge discovery process in Mobility, Privacy, and

Geography: a Knowledge Discovery vision, A Springer LNCS Monograph Fosca Giannotti and Dino Pedreschi, Editors, January 2008

- [33] Chiara Renso, Simone Puntoni, Elias Frenzos, Andrea Mazzoni, Bart Moe-lans, Nikos Pelekis, Fabrizio Pini Wireless Network Data Sources: Tracking and Synthesizing Trajectories in Mobility, Privacy, and Geography: a Knowledge Discovery vision, A Springer LNCS Monograph Fosca Giannotti and Dino Pedreschi, Editors, January 2008
- [34] G. Manco, M. Baglioni, F. Giannotti, B. Kujpers, A. Raffaetà, C. Renso Querying and Reasoning for Spatio-Temporal Data Mining in Mobility, Privacy, and Geography: a Knowledge Discovery vision, A Springer LNCS Monograph Fosca Giannotti and Dino Pedreschi, Editors, January 2008
- [35] Monica Wachowicz, Jose Macedo, Chiara Renso, and Arend Ligtenberg The role of a multi-tier ontological framework in reasoning to discover meaningful patterns of sustainable mobility Geographic Data Mining and Knowledge Discovery, H. Miller and J. Han Editors, 2nd Edition, Taylor and Francis, 2009
- [36] Daniel Ornellana, Chiara Renso Developing a Spatial Knowledge Representation for Pedestrian Interactions Movement-aware Applications for Sustainable Mobility: Technologies and Approaches, Monica Wachowicz Editor, IGI Publisher, 2010.
- [37] Mirco Nanni, Roberto Trasarti, Barbara Furletti, Chiara Renso, Lorenzo Gabrielli, Salvatore Rinzivillo and Fosca Giannotti Mobility Profiling in Data on Science and Simulation in Transportation Research, IGI global

## 1.6 Encyclopedia Entry

- [38] Monica Wachowiz and Chiara Renso Spatio and Spatio-temporal Reasoning and Decision Support Tools Entry at Encyclopedia of Social Network Analysis and Mining by Springer

## 1.7 Peer Reviewed Conferences and Workshops

- [39] A. Brogi, A. Chiarelli, P. Mancarella, V. Mazzotta, D. Pedreschi, C. Renso, F. Turini Implementations of Program Composition Operations. Programming Language Implementation and Logic Programming Lecture Notes in Computer Science, volume 844, 1994, pages 292-307
- [40] Domenico Aquilino, Patrizia Asirelli, Chiara Renso, Franco Turini An Operator for Composing Deductive Databases with Theories of Constraints Logic Programming and Nonmonotonic Reasoning, Third International Conference Lecture Notes in Computer Science vol 928, 1995, pages 57-70

- [41] D. Aquilino, C. Renso, and F. Turini. Towards Declarative GIS Analysis. In *Proceedings of the Fourth ACM Workshop on Advances in Geographic Information Systems*, pages 99–105, 1996.
- [42] P. Asirelli, C. Renso, and F. Turini. Language Extensions for Semantic Integration of Deductive Databases. In *Proceedings of the International Workshop on Logic in Databases*, volume 1154 of *Lecture Notes in Computer Science*, pages 415–434, 1996.
- [43] A. Brogi, C. Renso, and F. Turini. Amalgamating Language and Metalanguage for Composing Logic Programs. In *Proceedings of the GULP-PRODE'94 Joint Conference on Declarative Programming*, volume 2, pages 408–422, 1994.
- [44] C. Renso. Danilo Montesi and F. Turini. Using temporary integrity constraints to optimize databases. In *Proceedings of Formal and Applied Practical Reasoning 96*, 1996.
- [45] C. Renso. P. Asirelli. The constraint operator in the medlan language. In *Compulog Network area Constraint Programming and ERCIM Working Group on Constraints, Joint Workshop, in conjunction with the CP97 Conference*, 1997. Linz, Austria, October 27-28.
- [46] F. Turini. P. Asirelli, C. Renso. The constraint operator of MedLan: Its efficient implementation and use. In I. T. W. G. 11.541-55, editor, *Integrity and Internal Control in Information Systems: Bridging Business Requirements and Research Results*, Warrenton, Virginia, USA, 19-20 November 1998 IFIP Conference Proceedings, vol 136
- [47] A. Raffaetà and C. Renso. Temporal Reasoning in Geographical Information Systems. In *Proceedings of the DEXA Workshop: Advanced Spatial Data Management*, pages 899–905. IEEE Press, 2000.
- [48] F. Bonchi, F. Giannotti, G. Manco. M. Nanni, D. Pedreschi, C. Renso and S. Ruggieri. Adaptive web caching using decision trees. In *Workshop on Web Mining at First Siam Conference on Data Mining*, 2001.
- [49] Data Mining for Intelligent Web Caching International Symposium on Information Technology (ITCC 2001), 2-4 April 2001, Las Vegas, NV, USA, IEEE Computer Society, pages 599-603
- [50] F. Giannotti, A. Raffaetà, C. Renso, F. Turini. Complex reasoning with logic database languages. In *Sistemi evoluti per Basi di Dati, SEBD, 2001*.
- [51] F. Giannotti, A. Raffaetà, C. Renso, F. Turini. Reasoning on geographical data using constraints and annotations. In *Workshop on Spatio-Temporal Reasoning at ECSQARU2001*.

- [52] F. Turini, A. Raffaetà, C. Renso. Qualitative reasoning on a spatio-temporal language. In *Workshop on Complex Reasoning on Geographical Data, Cyprus, 2001*.
- [53] F. Turini, A. Raffaetà, C. Renso. Extending gis with reasoning capabilities. In *SpadaGIS workshop, Milan Italy, March 2002*.
- [54] A. Raffaetà, C. Renso, and F. Turini. Enhancing GISs for Spatio-Temporal Reasoning. In *Proceedings of the ACM International Symposium on Advances in Geographic Information Systems*, pages 35–41. ACM Press, 2002.
- [55] A. Raffaetà, C. Renso, and F. Turini. Qualitative spatial reasoning in a logical framework. In *AI\*IA 2003: Advances in Artificial Intelligence*, volume 2829 of *Lecture Notes in Artificial Intelligence*, pages 78–90, 2003.
- [56] M. Nanni, A. Raffaetà, C. Renso, F. Turini. Deductive and Inductive Reasoning on Trajectories SEBD (Sistemi Evoluti per Basi di Dati), 2004
- [57] M. Nanni, A. Raffaetà, C. Renso, F. Turini. Deductive and inductive reasoning on spatio-temporal data InaDP, Berlin, LNAI volume 3392, 2005
- [58] F. Giannotti, A. Raffaetà, C. Renso. GeoPKDD: geographic provacy-aware knowledge discovery. Conferenza Italiana Logica Computazionale, Roma 2005
- [59] F. Giannotti, A. Mazzoni, S. Puntoni, C. Renso. Synthetic Generation of Cellular Network Positioning Data. ACM GIS 05, Bremen, november 2005
- [60] H. Hosni, M.V. Masserotti, C. Renso. Maximum Entropy Reasoning for GIS. Published as a poster abstract to COSIT 05
- [61] Roberto Bartolini, Caterina Caracciolo, Emiliano Giovannetti, Alessandro Lenci, Simone Marchi, Vito Pirrelli, Chiara Renso, Laura Spinsanti. Creation and Use of Lexicons and Ontologies for Natural Language Interface to Databases. LREC 2006 Conference
- [62] Maurizio BOMBARA, Davide CALI, Ivana CALI, Emiliano GIOVANNETTI, Maria Vittoria MASSEROTTI, Chiara RENSO, Laura SPINSANTI, Giuseppe TROPEA. Interrogazioni in linguaggio naturale a basi dati eterogenee: l'ontologia del sistema "FuLL" nei GIS. Accettato alla conferenza: Informazione Geografica: Data Harmonisation, Interoperabilità e Standard, Reti e Facilities Management, Ubiquitous GIS, Roma 21-22 settembre 2006
- [63] M. Bombara, D. Cali, I. Cali, V. Cartelli, E. Giovannetti, M. Masserotti, C. Renso, L. Spinanti, G. Tropea. TECNOLOGIE OPEN-SOURCE NEL PROGETTO FULL (FUZZY LOGIC AND LANGUAGE) convegno Grass & GFOSS meeting, palermo, 2007.

- [64] M.Baglioni, M.V.Masserotti, C. Renso, L. Spinsanti Building Geospatial Ontologies from Geographical Databases GeoS 2007, Mexico City LNCS, Vol. 4853.
- [65] R. Ortale, E. Ritacco, N. Pelekis, R. Trasarti, G. Costa, F. Giannotti, G. Manco, C. Renso, Y. Theodoridis DAEDALUS: A knowledge discovery analysis framework for movement data SEBD 2008, Palermo, Italy.
- [66] M. Baglioni, J.Macedo, C. Renso, M. Wachowicz An ontology-based approach for the semantic modelling and reasoning on trajectories SeCOGIS 2008, Barcelona, Spain LNCS Vol. N. 5232.
- [67] Monica Wachowicz, Daniel Orellana, Chiara Renso, Estefania Muoz Moraga, and Javier Parada The spatial knowledge representation of players movement in mobile outdoor gaming The Fourth International Conference on Monitoring and Management of Visitor Flows in Recreational and Protected Areas, Montecatini Terme, october 2008.
- [68] R. Ortale, E. Ritacco, N. Pelekis, R. Trasarti, G. Costa, F. Giannotti, G. Manco, C. Renso, Y. Theodoridis The DAEDALUS Framework: A knowledge discovery analysis framework for movement data ACMGIS 2008, Irvine, USA, November 2008.
- [69] M.Baglioni, E. Giovannetti, M.V. Masserotti, C. Renso, L. Spinsanti Ontology-driven querying of geographical databases Terra Cognita 2008, Workshop in conjunction with ISWC, October 2008.
- [70] M. Baglioni, J.Macedo, C. Renso, R.Trasarti, M. Wachowicz Towards Semantic Interpretation of Movement Behavior Agile 2009, Lecture Notes in Geoinformation and Cartography, Hamburg, Germany.
- [71] M. Baglioni, C. Renso, R.Trasarti, DAMSEL: a System for Progressive Querying and Reasoning on Movement Data FlexDBIST Workshop, DEXA 2009, august 31, September 4, Linz, Austria, IEEE
- [72] Fosca Giannotti, Chiara Renso, Roberto Trasarti GeoPKDD Geographic Privacy-aware Knowledge Discovery, FET 2009. The European Future Technologies Conference
- [73] M.Baglioni, M.V. Masserotti, C. Renso, L.Soriano, L. Spinsanti. A Tool for Extracting Ontologies from Geographical Databases SEBD 2009, Convegno Italiano di Basi di Dati
- [74] Fosca Giannotti, Mirco Nanni, Dino Pedreschi, Chiara Renso, Roberto Trasarti. Mining Mobility Patterns from Trajectory Data Workshop on Social Computing with Mobile Phones & Sensors: Modeling, Sensing and Sharing (SCMPS09) joint with IEEE Social Comm 2009



- [75] Mirco Nanni, Roberto Trasarti, Chiara Renso, Fosca Giannotti and Dino Pedreschi. Advanced Knowledge Discovery on Movement Data with the GeoPKDD system EDBT 2010 Demo, Lausanne.
- [76] R. Ong, M. Nanni, C. Renso, M. Wachowicz On flock patterns in pedestrian movement Invited Session of Spatiotemporal Pattern Discovery and Data Mining in IGARSS 2010
- [77] Roberto Trasarti, Salvatore Rinzivillo, Fabio Pinelli, Mirco Nanni, Anna Monreale, Chiara Renso, Dino Pedreschi, Fosca Giannotti Exploring Real Mobility Data with M-Atlas ECML/PKDD (3) 2010: 624-627
- [78] Laura Spinsanti, Fabrizio Celli, Chiara Renso Where you go is who you are: understanding people's activities by places visited Proceedings of the Workshop on Behaviour Monitoring and Interpretation BMI 2010.
- [79] Fosca Giannotti, Mirco Nanni, Dino Pedreschi, Fabio Pinelli, Chiara Renso, Salvatore Rinzivillo, Roberto Trasarti Mobility data mining: discovering movement patterns from trajectory data CTS workshop at ACMGIS 2010, San Jose, California, USA, November 2010.
- [80] Anna Monreale, Roberto Trasarti, Chiara Renso, Dino Pedreschi and Vania Bogorny Preserving Privacy in Semantic-Rich Trajectories of Human Mobility SPRINGL 2010, 3rd ACM SIGSPATIAL International Workshop on Security and Privacy in GIS and LBS, November 2, 2010, San Jose, California, USA
- [81] Rebecca Ong, Chiara Renso, Mirco Nanni, and Monica Wachowicz From Pattern Discovery to Pattern Interpretation in Movement Data Third international workshop on Semantic Aspects of Data Mining, SADM 2010, in conjunction with ICDM 2010, Sydney, Australia, December 2010.
- [82] Bruno Neiva Moreno, Valeria Cesario Times, Chiara Renso, Vania Bogorny. Looking Inside the Stops GEOINFO 2010
- [83] Alisson Moscato Loy, Vania Bogorny, Chiara Renso, Luis Otavio Alvares. Um algoritmo para identificar padres comportamentais do tipo avoidance em trajetrias de objetos mveis, GEOINFO 2010

## 2011

- [84] M.Baglioni, M.V.Masserotti, C. Renso, L. Spinsanti Improving geodatabase semantic querying exploiting ontologies GeoS 20011, Brest, LNCS, May 2011.
- [85] Igo Brilhante, Jose Antonio Fernandes de Macedo, Chiara Renso, and Marco Antonio Casanova An Exploration of Trajectory Data using Complex Networks I15th International Database Engineering and Applications Symposium (IDEAS 2011), September 21 - 27, 2011, Lisbon, Portugal. ACM 2011, ISBN 978-1-4503-0627-0

- [86] Rebecca Ong, Fabio Pinelli, Roberto Trasarti, Mirco Nanni, Chiara Renso, Salvatore Rinzivillo, Fosca Giannotti: Traffic Jams Detection Using Flock Mining. ECML/PKDD (3) 2011: 650-653

## 2012

- [87] Igo Brillhante, Michele Berlingerio, Roberto Trasarti, Jose Antonio de Macedo, Chiara Renso, Marco Antonio Casanova. ComeTogether: discovering communities of places in mobility data International conference on Mobile Data Management 2012, India.
- [88] Barbara Furletti, Lorenzo Gabrielli, Salvatore Rinzivillo, Chiara Renso Identifying users profiles from mobile calls habits UrbComp Workshop at KDD 2012, August 2012, China.
- [89] André Salvaro Furtado, Renato Fileto, Chiara Renso M-Attract: Assessing Places Attractiveness by using Moving Objects Trajectories Data GEOINFO 2012 Brazilian Conference on Geographical Information Systems, 2012

## 2013

- [90] Fabio Da Costa Albuquerque, Marco A. Casanova, Marcelo Tilio M. de Carvalho, Jose Antonio F. de Macedo and Chiara Renso A Proactive Application to Monitor Truck Fleets Mobile Data Management Conference, 2013
- [91] Monica Wachowicz, Rebecca Ong and Chiara Renso Tailoring Moving Patterns to Contexts AGILE Conference, Leuven, Belgium, 2013
- [92] Barbara Furletti, Lorenzo Gabrielli, Chiara Renso, Salvatore Rinzivillo Pisa Tourism fluxes Observatory: deriving mobility indicators from GSM call habits NetMob Conference 2013, Poster presentation
- [93] Ivanildo Barbosa, Marco Antonio Casanova, Chiara Renso, Jose Antonio Macedo; Average Speed Estimation For Road Networks Based On GPS Raw Trajectories- ICEIS Conference, July 2013
- [94] Igo Brillhante, Michele Berlingerio, Roberto Trasarti, Chiara Renso, Jose Macedo and Marco Antonio Casanova Point of Interest Communities Discovery over Mobility Data Convegno Nazionale di Basi di Dati - SEBD 2013, Roccella Ionica, IT
- [95] Salvatore Rinzivillo, Fernando de Lucca Siqueira, Lorenzo Gabrielli, Chiara Renso, Vania Bogorny Where have you been today? Annotating trajectories with DayTag International Conference on Spatio and Spatio-Temporal Data, Munich, August 2013
- [96] Paolo Cintia, Barbara Furtletti, Chiara Renso Inferring human activities from GPS tracks UrbComp Workshop at KDD 2013, August 2013 Chicago, USA.

- [97] Renato Fileto, Marcelo Krger, Nikos Pelekis, Yannis Theodoridis, Chiara Renso Baquara: A Holistic Ontological Framework for Movement Analysis with Linked Data Entity Relationship Conference - ER 2013, Hong Kong.
- [98] Ricardo Wagner, Jose Antonio Fernandes de Macedo, Alessandra Raffaetà, Chiara Renso, Alessandro Roncato, and Roberto Trasarti Mob-Warehouse: A semantic approach for mobility analysis with a Trajectory Data Warehouse. SecoGIS 2013 - International Workshop on Semantic Aspects of GIS, Joint to ER conference 2013, Hong Kong.
- [99] Igo Brilhante, Franco Maria Nardini, Raffaele Perego, Chiara Renso, Jose de Macedo Where Shall We Go Today? Planning Touristic Tours with TripBuilder International Conference CIKM 2013, San Francisco, USA
- [100] Rebecca Ong, Mirco Nanni, Chiara Renso, Monica Wachowicz, Dino Pedreschi A Study on Parameter Estimation for a Mining Flock Algorithm Mining Complex Patterns Workshop, ECML PKDD 2013
- [101] Barbara Furletti, Lorenzo Gabrielli, Chiara Renso, Salvatore Rinzivillo Analysis of GSM calls data for understanding user mobility behavior IEEE International Conference on BigData, Santa Clara, USA, october 2013.
- [102] Renato Fileto, Marcelo Krger, Nikos Pelekis, Yannis Theodoridis, Chiara Renso Baquara: A Holistic Ontological Framework for Movement Analysis with Linked Data Entity Relationship Conference ER 2013, Hong Kong. Best Conference Paper.
- [103] Ricardo Wagner, Jose Antonio Fernandes de Macedo, Alessandra Raffaetà, Chiara Renso, Alessandro Roncato, and Roberto Trasarti Mob-Warehouse: A semantic approach for mobility analysis with a Trajectory Data Warehouse. SecoGIS 2013 - International Workshop on Semantic Aspects of GIS, Joint to ER conference 2013, Hong Kong.
- [104] Igo Brilhante, Franco Maria Nardini, Raffaele Perego, Chiara Renso, Jose de Macedo Where Shall We Go Today? Planning Touristic Tours with TripBuilder International Conference CIKM 2013, San Francisco, USA
- [105] Rebecca Ong, Mirco Nanni, Chiara Renso, Monica Wachowicz, Dino Pedreschi A Study on Parameter Estimation for a Mining Flock Algorithm Mining Complex Patterns Workshop, ECML PKDD 2013
- [106] Barbara Furletti, Lorenzo Gabrielli, Chiara Renso, Salvatore Rinzivillo Analysis of GSM calls data for understanding user mobility behavior IEEE International Conference on BigData, Santa Clara, USA, october 2013.
- [107] Artur Aquino, Luis Alvares, Vania Bogorny, Chiara Renso Towards Semantic Trajectory Outlier Detection GEOINFO Conference, 2013

- [108] Vitor Fontes, Lucas Alencar, Vania Bogorny, Chiara Renso Discovering Outlier Behavior in Mobility Data. GEOINFO Conference, 2013

#### 2014

- [109] Igo Brilhante, Franco Maria Nardini, Raffaele Perego, Chiara Renso, Jose de Macedo TripBuilder: A Tool for Recommending Sightseeing Tours. ECIR 2014. Demo paper. Best Demo Paper
- [110] Vinicius Monteiro de Lira, Salvatore Rinzivillo, Valeria Cesario Times , Chiara Renso, Patricia Tedesco MAPMOLTY: a web tool for discovering place loyalty based on mobile crowdsourc data International Conference on Web Engineering, 2014. Demo paper
- [111] Vinicius De Lira; Chiara Renso; Valeria Times; Salvatore Rinzivillo; Patricia Tedesco Investigating semantic regularity of human mobility lifestyle. IDEAS 2014
- [112] Ricardo Nabo, Renato Fileto, Mirco Nanni, Chiara Renso Annotating Trajectories by Fusing them with Social Media Users' Posts GEOINFO 2014.

#### 2015

- [113] Vania Vidal, Marco Antonio Casanova, Narciso Arruda, Mariano Roberval, Giseli Lopes, Luiz Paes Leme, Chiara Renso Specification and Incremental Maintenance of Linked Data Mashup Views CAiSE 2015
- [114] Lucas Andre Alencar, Luis Otavio Alvares, Chiara Renso, Alessandra Raffaeta, Vania Bogorny A Rule-based Method for Discovering Trajectory Profiles SEKE 2015, Pittsburgh, USA July 2015
- [115] Vinicius Monteiro de Lira, Valeria Cesario Times, Chiara Renso, Salvatore Rinzivillo ComeWithMe: an Activity-oriented Carpooling Approach 2015 IEEE 18th International Conference on Intelligent Transportation Systems
- [116] Maria Carolina Torres da Silva, Valéria Cesário Times, José Antônio Fernandes de Macêdo, Chiara Renso SWOT: A Conceptual Data Warehouse Model for Semantic Trajectories, Proceedings of the ACM Eighteenth International Workshop on Data Warehousing and OLAP, DOLAP 2015, Melbourne, VIC, Australia, October 19-23, 2015,
- [117] Bernardo Pereira Nunes, Terhi Nurmikko-Fuller, Giseli Rabello Lopes, Chiara Renso A Serious Game Powered by Semantic Web technologies, Proceedings of the 24th International Conference on World Wide Web Companion, WWW 2015, Florence, Italy, May 18-22, 2015 - Companion Volume

- [118] Igo Ramalho Brilhante, José Antônio Fernandes de Macêdo, Franco Maria Nardini, Raffaele Perego, Chiara Renso Scaling up the Mining of Semantically-enriched Trajectories: TripBuilder at the World Level, Proceedings of the 6th Italian Information Retrieval Workshop, Cagliari, Italy, May 25-26, 2015.,

## 2016

- [119] Chiara Renso, Jos Antnio Fernandes de Macdo, Franco Maria Nardini, Raffaele Perego, Igo Ramalho Brilhante: User-Item Group Formation with GroupFinder. IIR 2016
- [120] Chiara Renso, Salvatore Rinzivillo, Valria Cesrio Times, Vinicius Monteiro de Lira, Raffaele Perego: Searching and Ranking Activity-based Carpooling Ride. IIR 2016
- [121] Igo Ramalho Brilhante, Jos Antnio Fernandes de Macdo, Franco Maria Nardini, Raffaele Perego, Chiara Renso Group Finder: An Item-Driven Group Formation Framework. MDM 2016: 8-17
- [122] Vinicius Monteiro de Lira, Chiara Renso, Raffaele Perego, Salvatore Rinzivillo, Valria Cesrio Times: The ComeWithMe System for Searching and Ranking Activity-Based Carpooling Rides. SIGIR 2016: 1145-1148
- [123] Mauro Coletto, Claudio Lucchese, Cristina Ioana Muntean, Franco Maria Nardini, Andrea Esuli, Chiara Renso, Raffaele Perego: Sentiment-enhanced Multidimensional Analysis of Online Social Networks: Perception of the Mediterranean Refugees Crisis. CoRR abs/1605.01895 (2016)
- [124] Mauro Coletto, Andrea Esuli, Claudio Lucchese, Cristina Ioana Muntean, Franco Maria Nardini, Raffaele Perego, Chiara Renso: Sentiment-enhanced multidimensional analysis of online social networks: Perception of the mediterranean refugees crisis. ASONAM 2016: 1270-1277
- [125] Lvia Ruback, Marco Antonio Casanova, Alessandra Raffaet, Chiara Renso, Vnia Maria P. Vidal: Enriching Mobility Data with Linked Open Data. IDEAS 2016: 173-182
- [126] Luiz Andr P. Paes Leme, Chiara Renso, Bernardo Pereira Nunes, Giseli Rabello Lopes, Marco A. Casanova, Vnia Maria Ponte Vidal: Searching for Data Sources for the Semantic Enrichment of Trajectories. WISE (2) 2016: 238-246

## 2017

- [127] M Gusmini, N Jabeur, R Karam, M Melchiori, C Renso Reputation evaluation of georeferenced data for crowd-sensed applications ANT-17 Conference, Procedia Computer Science 109, 656-663

- [128] G Amato, P Bolettieri, V Monteiro de Lira, CI Muntean, R Perego, C Renso Social Media Image Recognition for Food Trend Analysis Proceedings of the 40th ACM SIGIR Conference , Tokyo Japan, August 2017
- [129] JSA Eichler, MA Casanova, AL Furtado, L Ruback, LAPP Leme, Giseli Rabello Lopes, Bernardo Pereira Nunes, Alessandra Raffaet, Chiara Renso Searching Linked Data with a Twist of Serendipity International Conference on Advanced Information Systems Engineering, 495-510
- [130] YA. Lacerda, LB. Marinho, C. de S. Baptista, C. Renso, R. Perego Exploiting photo location and direction for clustering-based points-of-interest discovery Proceedings of the Symposium on Applied Computing, 907-912
- [131] L. Ruback, MA. Casanova, C. Renso, C. Lucchese SELEcTor: discovering similar entities on LinkEd DaTa by ranking their features Semantic Computing (ICSC), 2017 IEEE 11th International Conference on, 117-124 1 2017
- [132] M. Gusmini, N. Jabeur, R. Karam, M. Melchiori, C. Renso Evaluating Reputation in VGI-Enabled Applications. EDBT/ICDT Workshops
- [133] Vinicius Monteiro de Lira, Craig Macdonald, Iadh Ounis, Raffaele Perego, Chiara Renso, Valeria Cesário Times Exploring Social Media for Event Attendance. ASONAM 2017: 447-450

## 1.8 Technical Reports

- [134] Patrizia Asirelli, Chiara Renso and Franco Turini Semantic integration of deductive databases. 1996-B4-17-06
- [135] Hykel Hosni, Maria Vittoria Masserotti and Chiara Renso Imperfect information management in GIS: A logical-mathematical approach. 2004-TR-10
- [136] T. Ceccarelli, D. Centeno, F. Giannotti, A. Massolo, C. Parent, A. Raffaetà, C. Renso, S. Spaccapietra, and F. Turini. The behaviour of the Crested Porcupine: the complete case study. ISTI Technical report 2004-TR-37, DeduGIS - European Working Group, 2001.
- [137] Ortale R., Pelekis N., Ritacco E., Trasarti R., Costa G., Giannotti F., Manco G., Renso C., Theodoridis Y. Towards progressive querying and mining movement data. ISTI Technical report
- [138] F. Giannotti, M. Nanni, D. Pedreschi, C. Renso, R. Trasarti. Transforming Trajectory Data into Mobility Knowledge. ISTI technical report.

## 2 Research Activity

Her research interests are related to spatio-temporal data mining, data mining query languages, semantic data mining. She has been involved in the European Projects DeduGIS, ReviGIS, GeoPKDD (<http://www.geopkdd.eu>), MODAP (<http://www.modap.org>).

In July 2007 visited the data base group of Prof. Spaccapietra at EPFL of Lausanne (Switzerland) where she established a collaboration with J. de Macedo on conceptual modeling, ontologies and data mining.

She has been an Invited talk with Monica Wachowicz at the AMFM 2008 Conference in Rome.

In October - November 2009 she won a Short Term Mobility grant from CNR for visiting for one month Prof. Vania Bogorny at Federal University of Santa Catarina, in Florianopolis, Brazil.

In July 2010 she won a grant from CNPQ (Brazil) for visiting Prof. Macedo at the University of Ceara, Fortaleza, Brazil.

In April 2011 she won a grant from MOVE Cost action to visit University of Pireaus, Greece.

From 2000 to 2009 she held yearly courses of GIS & Web at University of Pisa, Master on GIS. From 2003 to 2010 she hold yearly courses of laboratory of Web Design and PHP at University of Pisa.

She has been advisor or co-advisors of more than 20 master thesis from University of Pisa.

## 3 Project Coordination

- From March 2012 to August 2015 she has been coordinator of the FP7-PEOPLE Marie Curie IRSES project funded by the European Commission called SEEK - <http://www.seek-project.eu>.
- From March 2012 to February 2014 she has been the coordinator of the Bilateral project CNR-CNPQ called YOGA
- From March 2018 she is coordinator of the H2020-MSCA-RISE-17 project called MASTER on multiple aspects trajectory analysis - <http://www.master-project-h2020.eu>.

## 4 Tutorials and International Teaching

- in July 2010 she has been invited from University of Ceara' to held a course on Data Mining
- In October 2010 she held a Tutorial with Prof. S. Spaccapietra and E. Zimany on Trajectory Data Representation, Management and Understanding and CIKM 2010, Toronto, Canada.

- In 2011 she has been invited to held a seminar on "Semantic Data Mining" at the University of Pireaus, Greece
- In October 2011 she has been invited to held a tutorial at the Brazilian Conference on Data Base SBBD 2011, Florianopolis, Brazil.

## 5 Conference and Workshops organization

- In 2001 she has been co-chair with Alessandra Raffaetà of the 1 Workshop "Complex Reasoning on Geographical Data", Cyprus, 1 December 2001
- since 2004 she is in the program committee of the workshop Supporting Imprecision and Uncertainty in Flexible Databases (SIUFDB-04) and Flexible Database and Information System Technology FlexDBIST
- In 2008, 2009 and 2010 she co-chair with Vania Bogorny and Hui Xiong of workshop SADM - Semantic Aspects of Data Mining in conjunction with IEEE ICDM.
- in 2008 she is local organizer of conference IEEE-ICDM 2008.
- in 2008 she is local chair of workshop Spatio and Spatio Temporal Data Mining in conjunction with IEEE ICDM 2008.
- in 2009 she is co-organizer of the workshop IEEE SADM 2009 - Semantic Aspects of Data Mining , in conjunction with ICDM 2009, Miami, FL, USA.
- in 2010 she is co-organizer of the workshop Workshop on movement research: are you in the flow? held in conjunction with the AGILE 2010 conference
- in 2010 she is co-organizer of the workshop IEEE SADM 2010 - Semantic Aspects of Data Mining , in conjunction with ICDM 2010, Sydney, Australia.
- in 2016 she is co-local organizer of conference ACM SIGIR 2016.

Pisa, February 10, 2018

Chiara Renso