Curriculum Vitae di Andrea Torsello

Indice

1 Dati personali

Luogo e data di nascita:	Monselice (PD), 18 Giugno 1973
Codice Fiscale:	TRSNDR73H18F382G
Stato civile:	Coniugato
Residenza:	Via A. D'Este 2, 35124 Padova
Recapito telefonico:	0498804903
E-mail:	torsello@dsi.unive.it

2 Studi eseguiti

- Il 4 luglio 1997 consegue la laurea in "Scienze dell'informazione" all'Università "Ca' Foscari" di Venezia discutendo la tesi "Alcuni modelli di rilassamento per problemi di soddisfacimento di vincoli continui", relatore il Prof. Marcello Pelillo, conseguendo la votazione *110/110 e lode*, con media *29/30*.
- Il 7 luglio 2004 consegue un Ph.D. in Computer Science presso l'Università di York, Regno Unito.

3 Posizione accademica attuale

- Attualmente è Ricercatore presso l'Università Ca' Foscari Venezia nel settore scientifico disciplinare INF-01 Informatica.

4 Esperienze professionali

- Ottobre 1996 - Marzo 1997 sviluppa, su commissione di GRETA consulting srl, Venezia, software per il supporto alle decisioni finanziarie.

- Dal 19/8/1998 al 27/10/1999 lavora presso Microstrategy, Inc., Mc Lean, VA, U.S.A. ricoprendo il ruolo di "software design engineer". Durante questo periodo svolge attività di ricerca su rappresentazione ed elaborazione di dati finalizzata alla produzione di software di *reporting* e *datawarehousing* per il supporto alle decisioni aziendali.

- Nel 2010 co-fonda *Digitalviews srl* spinoff accademica partecipata dall'Università Ca' Foscari Venezia. Dalla fondazione della sociatà ne è Presidente del Consiglio di Amministrazione ed Amministratore Delegato con delega per la produzione.

5 Ambito di ricerca

L'attività di ricerca di Andrea Torsello riguarda la visione artificiale e il riconoscimento automatico delle forme ("pattern recognition"). In particolare, i principali problemi affrontati in quest'area includono:

- Clustering, raggruppamento percettivo e segmentazione di immagini
- Riconoscimento di oggetti e forme
- Ricostruzione tridimensionale e misurazione non a contatto
- Modelli di teoria dei giochi applicati alla visione artificiale
- Matching strutturale e relazioni tra approcci stocastici e strutturali
- Analisi di reti e strutture
- Approcci quantistici all'analisi di strutture

Collabora (o ha collaborato) con le seguenti istituzioni scientifiche straniere:

- Department of Computer Science, University of York, UK
  (Prof. Edwin R. Hancock)
- Clayton School of Information Technology, Monash University, Australia
  (Prof. David L. Dowe)

- National ICT Australia, Canberra, Australia
  (Dott. Antonio Robles-Kelly)
- Instituto Superior Tecnico, Lisbona, Portogallo
  (Prof. Mario Figueiredo)
- Institute of Computational Science, ETH Zurich, Svizzera
  (Prof. Joachim Buhmann)
- Delft University of Technology, Olanda
  (Prof. Robert P. W. Duin)
- Technische Universität München, Germania
  (Prof. Daniel Cremers)
- Comillas Pontifical University,Spagna
  (Prof. Alvaro Sanchez-Miralles, Dr. Manuel Alvar)
- Department of Computer Science, University of Birmingham, UK
  (Dr. Luca Rossi)

6 Attività didattica

Anno accademico 2003–2004

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.
- *Reti*
  Corso Progetto I.F.T.S. 2002/2003 Regione Veneto n.023 "Tecnico Superiore per lo sviluppo del commercio elettronico".

Anno accademico 2004–2005

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2004–2005

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2005–2006

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Laboratorio di architettura degli elaboratori* (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Algoritmi e strutture dati* per studenti part-time (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2006–2007

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Laboratorio di architettura degli elaboratori* (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Sistemi Operativi B* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2007–2008

- *Architettura degli elaboratori A* (modulo I) (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Laboratorio di architettura degli elaboratori* (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Probabilità e Statistica* (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2008–2009

- *Elaborazione delle immagini* (3cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Probabilità e Statistica* (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2009–2010

- *Grafica computazionale* (modulo I) (4cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Probabilità e Statistica* (4cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Intelligenza Artificiale* (modulo II) (6cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

Anno accademico 2010–2011

- *Grafica computazionale* (modulo I) (3cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica,
  Università Ca' Foscari di Venezia.

- *Probabilità e Statistica* (4cfu)
  Corso di Laurea in Informatica,
  Università Ca' Foscari di Venezia.

- *Artificial Intelligence* (12cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

Anno accademico 2011–2012

- *Artificial Intelligence* (modulo II) (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

- *Computer Vision* (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

Anno accademico 2012–2013

- *Artificial Intelligence* (modulo II) (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

- *Computer Vision* (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

Anno accademico 2013–2014

- *Artificial Intelligence* (modulo II) (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

- *Computer Vision* (6cfu)
  Corso di Laurea Magistrale in Computer Science - Informatica, Università Ca' Foscari di Venezia.

7 Attività professionali

7.1 Attività editoriali

- 2014–presente: Membro dell'*Editorial Board* per la rivista internazionale *Pattern Recognition* [IF 2.632].

- 2014–presente: Membro dell'*Editorial Board* per la rivista internazionale *Gate to Computer Vision and Pattern Recognition*.
- 2014–presente: Membro dell'*Editorial Board* per la rivista internazionale *International Scholarly Research Notices* nell'area Computer Engineering.
- 2013–presente: Membro dell'*Editorial Board* per la rivista internazionale *The Scientific World Journal* [IF 1.730] nell'area Signal Processing.
- 2012–presente: Membro dell'*Editorial Board* per la rivista internazionale *Pattern Recognition Letters* [IF 1.266]
- 2011–2013: Membro dell'*Editorial Board* per la rivista internazionale *ISRN Machine Vision* (ora confluita in *Gate to Computer Vision and Pattern Recognition*).
- *Guest Editor*, per la rivista internazionale *Pattern Recognition*, vol. 39, no. 10, April 2006. Numero speciale su "Similarity-Based Pattern Recognition".
- *Guest Editor*, per la rivista internazionale *Computer Vision and Image Understanding*. Numero speciale su "Graph-based Representations in Pattern Recognition", vol. 115, no. 7, July 2011.
- *Guest Editor*, per la rivista internazionale *Pattern Recognition Letters*. Numero speciale su "Graph-based Representations in Pattern Recognition", vol. 33, no. 15, November 2012.

È inoltre reviewer per *AMS Math Reviews*.

7.2 Membro di comitati di programma

- 9th European Conference on Computer Vision – ECCV 2006.
- HCSNet Workshop on the Use of Vision in HCI – VisHCI 2006.
- 6th IAPR-TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR 2007.
- 11th IEEE International Conference on Computer Vision – ICCV 2007.

- International Symposium on Computer and Information Sciences - ISCIS 2007.
- Digital Image Computing: Techniques and Applications – DICTA 2007.
- International Conference on Image and Signal Processing - ICISP 2008.
- Digital Image Computing: Techniques and Applications – DICTA2008.
- 21st Australian Joint Conference on Artificial Intelligence – AI-08.
- 19th International Conference on Pattern Recognition – ICPR 2008.
- 7th IAPR -TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2009.
- The 26th International Conference on Machine Learning – ICML2009.
- First International Workshop on Stochastic Image Grammars – SIG-09.
- 13th Int. Conference on Computer Analysis of Images and Patterns – CAIP09.
- 14th Iberoamerican Congress on Pattern Recognition – CIARP 2009.
- Digital Image Computing: Techniques and Applications – DICTA 2009.
- The 22nd Australasian Joint Conference on Artificial Intelligence – AI'09.
- The Twenty-Third IEEE Conference on Computer Vision and Pattern Recognition – CVPR 2010.
- The fourth edition of the International Conference on Image and Signal Processing – ICISP 2010.
- Joint 13th International Workshop on Structural and Syntactic Pattern Recognition and 8th International Workshop on Statistical Pattern Recognition – S+SSPR 2010.
- 20th International Conference on Pattern Recognition – ICPR 2010.
- The 11th European Conference on Computer Vision – ECCV2010.

- The 15th Iberoamerican Congress on Pattern Recognition – CIARP 2010.
- International Conference on Digital Image Computing: Techniques and Applications – DICTA 2010
- 23rd Australasian Joint Conference on Artificial Intelligence – AI 2010.
- 8th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2011.
- The 19th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning – ESANN 2011.
- 24th Conference on IEEE Computer Vision and Pattern Recognition – CVPR 2011.
- IEEE International Conference on Multimedia and Expo – ICME 2011.
- 14h International Conference on Computer Analysis of Images and Patterns – CAIP2011.
- The 1st Workshop on Recognition and Action for Scene Understanding – REACTS 2011.
- 13th International Conference on Computer Vision – ICCV2011.
- The 24th Australasian Joint Conference on Artificial Intelligence – AI2011.
- 1st International Workshop on Similarity-Based Pattern Analysis and Recogntion – SIMBAD 2011.
- The International Conference on Image and Signal Processing – ICISP 2012.
- 1st International Conference on Pattern Recognition Applications and Methods – ICPRAM 2012.
- 25th Conference on IEEE Computer Vision and Pattern Recognition – CVPR 2012.
- The 12th European Conference on Computer Vision – ECCV2012.

- Joint 14th International Workshop on Structural and Syntactic Pattern Recognition and 9th International Workshop on Statistical Pattern Recognition – S+SSPR 2012.
- 21st International Conference on Pattern Recognition – ICPR 2012.
- The 25th Australasian Joint Conference on Artificial Intelligence – AI2012.
- 11th International Conference on Machine Learning and Applications – ICMLA 2012.
- 2nd International Conference on Pattern Recognition Applications and Methods – ICPRAM 2013.
- 26th Conference on IEEE Computer Vision and Pattern Recognition – CVPR 2013.
- 9th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2013.
- 2nd International Workshop on Similarity-Based Pattern Analysis and Recogntion – SIMBAD 2013.
- 15h International Conference on Computer Analysis of Images and Patterns – CAIP2013.
- The 2st Workshop on Recognition and Action for Scene Understanding – REACTS 2013.
- 23rd International Joint Conference on Artificial Intelligence – IJCAI 2013.
- 14th International Conference on Computer Vision – ICCV2013.
- 12th International Conference on Machine Learning and Applications – ICMLA 2013
- 12th International Conference on Information Systems and Industrial Management Applications – CISIM 2013
- 12th International Conference on Machine Learning and Applications – ICMLA 2013.

- 3rd International Conference on Pattern Recognition Applications and Methods – ICPRAM 2014.
- Joint International Workshops on Statistical Techniques in Pattern Recognition and Structural and Syntactic Pattern Recognition – S+SSPR 2014.
- 22nd International Conference on Pattern Recognition – ICPR 2014.
- 27th Conference on IEEE Computer Vision and Pattern Recognition – CVPR 2014.
- The 13th European Conference on Computer Vision – ECCV2014.
- International Conference on Image Analysis and Recognition – ICIAR 2014.
- 13th International Conference on Machine Learning and Applications – ICMLA 2014.
- International Conference on Image and Signal Processing – ICISP 2014.
- 16th international Conference on Computer Analysis of Images and Patterns – CAIP 2015.
- 4th International Conference on Pattern Recognition Applications and Methods – ICPRAM 2015.
- 10th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2015.

7.3 Reviewer per riviste internazionali

È stato più volte invitato come reviewer dalle seguenti riviste.

- Artificial Intelligence
- Computer Vision and Image Understanding
- Computational Statistics
- Engineering Applications of Artificial Intelligence

- IEEE Transactions on Image Processing
- IEEE Transactions on Neural Networks
- IEEE Transactions on Pattern Analysis and Machine Intelligence
- IEEE Transactions on System, Man, and Cybernetics
- IEEE Transactions on Multimedia
- IET Computer Vision
- Image and Vision Computing
- International Journal of Computer Vision
- Machine Vision and Applications
- Neural Computating and Applications
- Neural Computation
- Neurocomputing
- Pattern Recognition
- Pattern Recognition Letters
- Sensors

7.4 Referee per progetti internazionali

È stato consultato come valutatore di progetti di ricerca dai seguenti enti finanziatori:

- Austrian Science Fund (FWF)
- Croatian Science Foundation (HRZZ)

7.5 Referee per tesi di dottorato

È stato valutatore della tesi di dottorato per i seguenti Dottori di Ricerca:

- 2014: Sejuti Rahman (ANU, Australia)
- 2012: Francesc Serratosa (Universidad "Rovira i Virgili" Tarragona, Spagna)
- 2012: Anna Carli (Università di Verona)
- 2011: Alessio Pascucci (Università "La Sapienza" Roma)
- 2009: Surya Parakash (ANU, Australia)
- 2007: Miguel Angel Lozano (Universidad de Alicante, Spagna)

7.6 General chair di convegni scientifici internazionali e scuole dottorali internazionali

- 7th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2009, maggio 26–28, Venezia, Italia.
- 8th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – GbR2011. maggio 18–20, 2011, Münster, Germania.
- International Summer School on Complex Networks – ISSCN, luglio, 14–18, 2014, Bertinoro (FC), Italia.
- 2nd Workshop on Function Prediction in Complex Networks – FPCN, luglio 19–20, 2014, Bertinoro (FC), Italia.

7.7 Collaborazione organizzazione convegni scientifici internazionali

- Nel maggio 1997 collabora all'organizzazione del workshop internazionale "Energy Minimization Methods for Computer Vision and Pattern Recognition" (EMMCVPR'97), Università "Ca' Foscari" di Venezia, maggio 21-23 1997 e partecipa ai lavori del seminario.
- Fa parte del comitato di organizzazione del workshop internazionale "Early Vision: Computational and Biological", Bertinoro (Forlì), 2005.

- Fa parte del comitato di organizzazione del workshop internazionale "Foundations of Computer Vision: Light, Space, and Matter", Bertinoro (Forlì), 2007.

- È presidente del comitato di organizzazione del workshop internazionale "International Workshop on Computer Vision" (IWCV'08), Venezia, Italia, maggio 27–29, 2008.

7.8 Tutorial

- Organizzatore di un tutorial su "Game Theory in Pattern Recognition and Machine Learning" in 20th International Conference on Pattern Recognition. (ICPR 2010).

- Organizzatore di un tutorail su "Game Theory in Computer Vision and Pattern Recognition" in 24th IEEE Conference on Computer Vision and Pattern Recognition. (CVPR 2011).

8 Relazioni plenarie su invito

- A. Torsello, "Learning Structure from Samples." In The 3rd Student Organizing International Mini-Conference on Information Electronics Systems (SOIM-GCOE2010), Sendai, Japan, 2010.

- A. Torsello, "Model Complexity Issues in Structural Learning." In 1st IEEE Workshop on Information Theory in Computer Vision and Pattern Recognition, Satelite Event of IEEE Int. Conf. on Computer Vision, Barcelona, Spain, 2011.

9 Premi

- 05/2010: "3DPVT 2010 Nvidia Best Student Paper Award" a 5th International Symposium on 3D Data Processing, Visualization and Transmission (3DPVT) per l'articolo Andrea Albarelli, Emanuele Rodolà, Andrea Torsello, "Robust Game-Theoretic Inlier Selection for Bundle Adjustment."

- 01/2011: "Distinguished Alumnus", Department of Computer Science, the University of York, UK.

10 Servizi prestati in atenei ed enti di ricerca

10.1 Servizi di supporto alla didattica

- Membro del collegio didattico dei corsi di laurea in Informatica dell'Università Ca' Foscari Venezia (collegio unico per corso triennale e magistrale) per il triennio 2007–2010. All'interno del collegio ha la delega per la comunicazione.
- Vice-presidente del collegio didattico dei corsi di laurea in Informatica dell'Università Ca' Foscari di Venezia (collegio unico per corso triennale e magistrale) 2010–presente.

10.2 Servizi di supporto alla ricerca

- Membro della Commissione "Ricerca e Sviluppo della Facoltà di Scienze dell'Università Ca' Foscari Venezia per il triennio 2007–2010.
- Membro del comitato per la ricerca del Dipartimento di Scienze Ambientali, Informatica e Statistica dell'Università Ca' Foscari Venezia per il periodo 2011–presente.
- Membro del Collegio di Dottorato della Scuola Dottorale in Informaticadi dell'Università Ca' Foscari Venezia (2009–presente).
- Supervisore dell'attività di ricerca dei seguenti dottorandi in Informatica:
  - Dr. Andrea Albarelli (XXII ciclo)
    Titolo della tesi: "A Game-Theoretic Approach to Matching and Robust Inlier Selection".
  - Dr. Emanuele Rodolà (XXIV ciclo)
    Titolo della Tesi: "Sparse and Robust Matching Problem for 3D Shape Analysis"
  - Dr. Luca Rossi (XXVI ciclo) Titolo della Tesi: "Modeling, Classification and Analysis of Graph Structures"

- Dr. Filippo Bergamasco (XXVII ciclo)
- Dr. Luca Cosmo (XXVIII ciclo)
- Dr. Andrea Gasparetto (XXIX ciclo)

11 Soggiorni presso Università estere

- *Visiting Scholar* da novembre 2007 a gennaio 2008 presso Clayton School of Information Technology, Monash University, Australia.

12 Progetti di ricerca

Ha partecipato ai seguenti progetti di ricerca:

- *Apprendimento automatico per la genomica strutturale e funzionale*
  PRIN 2002: Progetto MURST di Interesse Nazionale, anno 2002(biennio: 2003–2004).
  Partecipazione come titolare di Assegno di Ricerca

  Sedi partecipanti al progetto:
  - Università di Siena (Resp.: M. Gori, coordinatore nazionale)
  - Università di Pisa (Resp.: A. Sperduti)
  - Università di Firenze (Resp.: G. Soda)
  - Università Ca' Foscari di Venezia (Resp.: M. Pelillo)

- *Metodi basati sulla similarità per la visione artificiale e il riconoscimento delle forme: Teoria, algoritmi, applicazioni*
  PRIN 2006: Progetto di Ricerca MIUR di Interesse Nazionale (biennio: 2007–2008).
  Partecipazione come "key personnel" presso la sede coordinatrice.

  Sedi partecipanti al progetto:
  - Università Ca' Foscari Venezia (Resp.: M. Pelillo, coordinatore nazionale)
  - Università di Verona (Resp.: V. Murino)
  - Università di Milano (Resp.: P. Campadelli)
  - Università di Cagliari (Resp.: G. Giacinto)

- *SIMBAD – Beyond Features: Similarity-Based Pattern Analysis and Recognition*
  Progetto FET-OPEN (STREP) 7th Framework Programme (triennio 2008–2010). Partecipazione come "key personnel" presso la sede coordinatrice.

  Sedi partecipanti al progetto:
  - Università Ca' Foscari di Venezia, Italia (Resp.: M. Pelillo, coordinatore scientifico)
  - University of York, Inghilterra (Resp.: E. R. Hancock)
  - Technische Universiteit Delft, Olanda (Resp.: R. W. Duin)
  - Insituto Superior Técnico, Portogallo (Resp.: M. Figueiredo)
  - Università di Verona, Italia (Resp.: V. Murino)
  - Eidgenössische Technische Hochschule (ETH) Zürich, Svizzera (Resp.: J. Buhmann)

- *ADAPT – Accessible Data for Accessible Proto-Types in Social Sector*
  Progetto PON Smart Cities Nazionali D.D. 391/Ric/05-07-2012 Partecipazione come "key personnel" presso la sede UNIVE

  Soggetti pertecipanti al progetto:
  - Dedalus S.p.A.
  - Business-eTrentino S.r.l.
  - Università degli Studi di Palermo
  - Università Ca' Foscari Venezia
  - Bramasole Società Cooperativa Sociale
  - Guerrato S.p.A.
  - Attiva Formazione Lavoro S.r.l.

13 Network Internazionali

- Membro della **PASCAL 2 Network of Excellence** (`http://www.pascal-network.org/`)

14 Trasferimento tecnologico

Ha partecipato ai seguenti progetti di trasferimento tecnologico:

- *Modellazione, analisi e visualizzazione di dati ambientali*
  Progetto di trasferimento tecnologico con CORILA (Consorzio Ricerche Laguna) (2004–2007).
  Partecipazione come assegnista di ricerca presso l'Università di Venezia.

  Costo totale del progetto: Euro 125.000
  Referente universitario: prof. Renzo Orsini.

- *Ricerca su query e classificazione di oggetti per forma*
  contratto per prestazione di consulenza con Luxottica Spa (2009).

- *Realizzazione di un sistema di acquisizione di immagini 3D di occhiali*
  contratto per prestazione di consulenza con Evolvenda Srl (2008–2009).

- *Raddrizzamento foto per uso stereoscopico*
  contratto per prestazione di consulenza con Cigraph Srl (2009).
  Partecipazione in qualità di responsabile scientifico.

- *Quinte virtuali*
  contratto per prestazione di consulenza con Cigraph Srl (2009).
  Partecipazione in qualità di responsabile scientifico.

Nel 2010 co-fonda Digitalviews srl spinoff accademica partecipata dall'Università Ca' Foscari Venezia. Dalla fondazione della sociatà ne è Presidente del Consiglio di Amministrazione ed Amministratore Delegato con delega per la produzione.

Nel 2009 il progetto imprenditoriale della spinoff ha vinto il bando di finanziamento per spinoff universitarie "Progetto IMPRESA" del consorzio IMPAT (http://www.consorzioimpat.it) classificandosi terzo su scala nazionale.

15 Elenco delle pubblicazioni

15.1 Tesi di PhD

[1] A. Torsello, "Matching hierarchical structures for shape recognition". Tesi di Ph.D., University of York. Pubblicato come Technical Report YCST-204-02 presso University of York, UK.

15.2 Numeri speciali di riviste

[2] M. Bicego, V. Murino, M. Pelillo, A. Torsello (Guest Editors), Special Issue on "Similarity-Based Pattern Recognition", *Pattern Recognition*, 39(10), 2006.

[3] E. R. Hancock, A. Torsello, F. Escolano, and L. Brun (Guest Editors), Special issue on "Graph-Based Representations in Computer Vision", *Computer Vision and Image Understanding*, 115(7), 2011.

[4] A. Torsello, X. Jiang, M. Ferrer (Guest Editors), Special issue on "Graph-based representations in pattern recognition", *Pattern Recognition Letters*, 33(15), 2012.

15.3 Atti editi per conferenze internazionali

[5] A. Torsello, F. Escolano, L. Brun (Eds.), Graph-Based Representations in Pattern Recognition, *Proc. 7th IAPR-TC-15 International Workshop, GbRPR 2009*, Springer, LNCS 5534, 2009.

[6] X. Jiang, M. Ferrer, A. Torsello (Eds.), Graph-Based Representations in Pattern Recognition, *Proc. 8th IAPR-TC-15 International Workshop, GbRPR 2011*, Springer, LNCS 6658, 2011.

15.4 Riviste internazionali

[7] A. Torsello, M. Pelillo, "Continuous-time relaxation labeling processes". *Pattern Recognition*, vol. 33, no. 11, pp. 1897–1908, 2000.

[8] A. Torsello, E. R. Hancock, "Computing approximate tree edit distance using relaxation labeling". *Pattern Recognition Letters*, Elsevier, vol. 24, pp. 1089–1097, 2003.

[9] A. Torsello, E. R. Hancock, "A Skeletal Measure of 2D Shape Similarity", *Computer Vision and Image Understanding*, vol. 95, no. 1, pp 1–29, 2004.

[10] A. Torsello, D. Hidović-Rowe, M. Pelillo, "Polynomial-Time Metrics for Attributed Trees". *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 27, no. 7, pp. 1087–1099, 2005.

[11] A. Torsello, E. R. Hancock, "Correcting Curvature-Density Effects in the Hamilton-Jacobi Skeleton". *IEEE Transactions on Image Processing*, vol. 15, no. 4, pp. 877–891, 2006.

[12] M. Pelillo e A. Torsello, "Payoff-Monotonic Game Dynamics and the Maximum Clique Problem". *Neural Computation*, vol. 18, pp. 1215–1258, 2006.

[13] A. Torsello e E. R. Hancock, "Learning Shape-Classes using a Mixture of Tree-Unions". *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 28, no. 6, pp. 954–967, 2006.

[14] A. Torsello, Antonio Robles-Kelly, E. R. Hancock, "Discovering Shape Classes using Tree Edit-Distance and Pairwise Clustering". *International Journal of Computer Vision*, vol. 72, no. 3, pp. 259–285, 2007.

[15] A. Torsello, E. R. Hancock, "Graph Embedding using Tree Edit-Union". *Pattern Recognition*, vol. 40, no. 5, pp. 1393–1405, 2007.

[16] B. Xiao, A. Torsello, E. R. Hancock, "Tree Clustering via Metric Embedding." *Neurocomputing*, Elsevier, vol.71, no. 10–12, pp. 2029–2036, 2008.

[17] A. Rota Bulò, A. Torsello, M. Pelillo, "A Game-Theoretic Approach to Partial Clique Enumeration." *Image and Vision Computing*, Special Issue on *Graph-Based Representations in Pattern Recognition*, 27(7):911–922, 2009.

[18] A. Albarelli, E. Rodolà, A. Torsello, "Imposing Semi-Local Geometric Constraints for Accurate Correspondences Selection in Structure from Motion: A Game-Theoretic Perspective." *International Journal of Computer Vision*, doi:10.1007/s11263-011-0432-4, 97(1):36–53, 2012.

[19] F. Bergamasco, A. Albarelli, A. Torsello, "A graph-based technique for semi-supervised segmentation of 3D surfaces." *Pattern Recognition Letters*, Special Issue on *Graph-Based Representations in Pattern Recognition*, doi:10.1016/j.patrec.2012.03.015, 33(15):2057–2064, 2012.

[20] E. Rodolà, A. Albarelli, F. Bergamasco, A. Torsello, "A Scale Independent Selection Process for 3D Object Recognition in Cluttered Scenes." *International Journal of Computer Vision*, 102(1–3):129–145, doi:10.1007/s11263-012-0568-x, 2013

[21] F. Bergamasco, A. Albarelli, A. Torsello, "Pi-Tag: A Fast Image-Space Marker Design Based on Projective Invariants." *Machine Vision and Applications*, doi:10.1007/s00138-012-0469-6, 24(6):1295–1310, 2013.

[22] A. Albarelli, F. Bergamasco, A. Celentano, L. Cosmo, A. Torsello, "Using multiple sensors for reliable markerless identification through supervised learning." *Machine Vision and Applications*, doi:10.1007/s00138-013-0492-2, 24(7):1539–1554, 2013.

[23] A. Torsello, A. Albarelli, E. Rodolà, "Stable and fast techniques for unambiguous compound phase coding." *Image and Vision Computing*, doi:10.1016/j.imavis.2013.02.004, 31(4):341–356, 2013.

[24] L. Rossi, A. Torsello, E. R. Hancock, R. C. Wilson, "Characterizing graph symmetries through quantum Jensen-Shannon divergence." *Physical Review E, Statistical, Nonlinear, and Soft Matter Physics*, doi:10.1103/PhysRevE.88.032806, 88:032806-1–9, 2013.

[25] L. Rossi, A. Torsello, "Coarse-to-fine skeleton extraction for high resolution 3D meshes." *Computer Vision and Image Understanding*, doi:10.1016/j.cviu.2013.10.006, 118:140–152, 2014.

[26] M. Alvar, A. Torsello, Á. Sánchez Miralles, J. M. Armingol, "Abnormal behavior detection using dominant sets." *Machine Vision and Applications*, doi:10.1007/s00138-014-0615-4, 25(5):1351–1368, 2014.

[27] L. Bai, L. Rossi, A. Torsello, E. R. Hancock, "A Quantum Jensen-Shannon Graph Kernel for Unattributed Graphs." *Pattern Recognition*, doi:10.1016/j.patcog.2014.03.028, in press, published online

15.5 Convegni internazionali

[28] A. Torsello, M. Pelillo, "Continuous-time relaxation labeling processes". In E. R. Hancock and M. Pelillo (Eds.), *Energy Minimization*

Methods in Computer Vision and Pattern Recognition–EMMCVPR'99, (Lecture Notes in Computer Science, vol. 1654). Springer-Verlang, Berlin, pp. 253-268, 1999.

[29] A. Torsello, E. R. Hancock, "Computing approximate tree edit distance using relaxation labeling". In *Workshop on Graph Based Representations in Pattern Recognition*, pp. 125-136, 2001.

[30] B. Luo, A. Robles-Kelly, A. Torsello, R. C. Wilson, E. R. Hancock, "Clustering shock trees". In *Workshop on Graph Based Representations in Pattern Recognition*, pp. 217–228, 2001.

[31] A. Torsello, E. R. Hancock, "A skeletal Measure for 2D shape similarity". In C. Arcelli, L.P.Cordella and G. Sanniti di Baja (Eds.), *Visual Form 2001*, (Lecture Notes in Computer Science, vol. 2059). Springer-Verlang, Berlin, 2001.

[32] A. Torsello, E. R. Hancock, "Efficiently computing weighted tree edit distance using relaxation Labeling". In J. Zerubia, A. K. Jain e M. A. T. Figueiredo (Eds.), *Energy Minimization Methods in Computer Vision and Pattern Recognition–EMMCVPR'01*, (Lecture Notes in Computer Science). Springer-Verlang, Berlin, 2001.

[33] B. Luo, A. Robles-Kelly, A. Torsello, R. C. Wilson, E. R. Hancock, "Discovering shape categories by clustering shock trees". In *Computer Analysis of Images and Patterns*, (Lecture Notes in Computer Science, vol. 2124). Springer-Verlang, Berlin, pp 152–160, 2001.

[34] B. Luo, A. Robles-Kelly, A. Torsello, R. C. Wilson, E. R. Hancock, "A probabilistic framework for graph clustering". In *IEEE International Conference on Computer Vision and Pattern Recognition* (CVPR'01), vol. 1, pp. 912–919, 2001.

[35] B. Luo, A. Robles-Kelly, A. Torsello, R. C. Wilson, E. R. Hancock, "Learning shape categories by clustering shock trees". In *IEEE International Conference on Image Processing*, vol. III, pp 672–675, 2001.

[36] A. Torsello, E. R. Hancock, "Matching and embedding through edit-union of trees". In *European Conference on Computer Vision* (EC-

CV'02), (Lecture Notes in Computer Science, vol. 2352). Springer-Verlang, Berlin, pp. 822-836, 2002.

[37] A. Torsello, E. R. Hancock, "Shape-Space from Tree-Union". In *IEEE International Conference on Pattern Recognition* (ICPR'02) vol. 1, pp. 188–191, 2002.

[38] A. Torsello, E. R. Hancock, "Learning Structural Variations in Shock Trees". In *joint IAPR International Workshops on Syntactical and Structural Pattern Recognition and Statistical Pattern Recognition* (S+SSPR'02), (Lecture Notes in Computer Science, vol. 2396). Springer-Verlang, Berlin, pp. 113-122, 2002.

[39] A. Torsello, E. R. Hancock, "Curvature Correction of the Hamilton-Jacobi Skeleton". In *IEEE International Conference on Computer Vision and Pattern Recognition* (CVPR'03), vol. 1, pp. 828–834, 2003.

[40] A. Torsello, E. R. Hancock, "Tree edit distance from information theory". In *Workshop on Graph Based Representations in Pattern Recognition*, (Lecture Notes in Computer Science 2726. Springer-Verlang, Berlin, pp. 71–83, 2003

[41] A. Torsello, E. R. Hancock, "Learning mixture of tree unions by minimum description length". In *Energy Minimization Methods in Computer Vision and Pattern Recognition–EMMCVPR 2003*, (Lecture Notes in Computer Science, vol. 2683). Springer-Verlang, Berlin, 2003.

[42] A. Torsello, E. R. Hancock, "Curvature dependent skeletonization". In *Scandinavian Conference on Image Analysis*, (Lecture Notes in Computer Science, vol. 2749). Springer-Verlang, Berlin, pp. 200–207, 2003.

[43] A. Torsello, E. R. Hancock, "Graph Clustering with Tree-Unions". In *Computer Analysis of Images and Patterns*, (Lecture Notes in Computer Science, vol. 2756). Springer-Verlang, Berlin, 2003.

[44] A. Torsello, E. R. Hancock, "Curvature dependent skeletonization". In *IEEE International Conference on Image Processing*, vol. I, pp. 337–340, 2003.

[45] A. Torsello, E. R. Hancock, "Learning Mixtures of Weighted Tree-Unions by Minimising Description Length". In *European Conference on Computer Vision*, (Lecture Notes in Computer Science, vol. 3023). Springer-Verlang, Berlin, vol. 3, pp. 13–25, 2004.

[46] A. Torsello, D. Hidović, M. Pelillo, "A Polynomial-Time Metric for Attributed Trees". In *European Conference on Computer Vision*, (Lecture Notes in Computer Science, vol. 3024). Springer-Verlang, Berlin, vol. 4, pp. 414–427, 2004.

[47] A. Torsello, D. Hidović, M. Pelillo, "Four Metrics for Efficiently Comparing Attributed Trees". In *International Conference on Pattern Recognition* (ICPR), IEEE Computer Society, vol. 2, pp. 467–460, 2004.

[48] A. Torsello, M. Pavan, M. Pelillo, "Spatio-Temporal Segmentation using Dominant Sets". In *Energy Minimization Methods in Computer Vision and Pattern Recognition–EMMCVPR 2005* Lecture Notes in Computer Science, Springer-Verlang, pp. 301–315, Berlin, 2005.

[49] A. Torsello, S. Rota Bulò, M. Pelillo, "Grouping with Asymmetric Affinities: A Game-Theoretic Perspective". In *IEEE International Conference on Computer Vision and Pattern Recognition* (CVPR), IEEE Computer Society, vol. 1, pp. 292–299, 2006.

[50] S. Rota Bulò, A. Torsello, M. Pelillo, "A Continuous-Based Approach for Partial Clique Enumeration." In *6th IAPR TC-15 Workshop on Graph-based Representations in Pattern Recognition – (GbR07)*, LNCS 4538, Springer, pp. 61-70, 2007.

[51] A. Torsello, M. Di Gesù, M. Pelillo, "Integrating Boundary Information in Pairwise Segmentation." In *International Conference on Image Analysis and Processing – ICIAP 2007*, IEEE Computer Society, pp. 23-28, 2007.

[52] A. Torsello, A. Albarelli, M. Pelillo, "Matching Relational Structures using the Edge-Association Graph." In *14th International Conference on Image Analysis and Processing – ICIAP 2007*, IEEE Computer Society, pp. 775-780, 2007.

[53] A. Torsello, "An Importance Sampling Approach to Learning Structural Representations of Shape." In *IEEE International Conference on Computer Vision And Pattern Recognigion – CVPR2008*, IEEE Computer Society, 2008.

[54] S. Rota Bulò, A. Albarelli, M. Pelillo, A. Torsello, "A Hypergraph-based Approach to Affine Parameters Estimation." *19th International Conference on Pattern Recognition*, 2008.

[55] A. Torsello, D. L. Dowe, "Supervised Learning of a Generative Model for Edge-Weighted Graphs." *19th International Conference on Pattern Recognition*, 2008.

[56] A. Torsello, S. Rota Bulò, M. Pelillo, "Beyond Partitions: Allowing Overlapping Groups in Pairwise Clustering." *19th International Conference on Pattern Recognition*, 2008.

[57] A. Torsello, D. Dowe, "Learning a generative model for structural representations." In *21st Australasian Joint Conference on Artificial Intelligence - AI-08*, 2008.

[58] A. Torsello, M. Pelillo, "Hierarchical Pairwise Segmentation using Dominant Sets and Anisotropic Diffusion Kernels." In *7th International Conference on Energy Minimization Methods in Computer Vision and Pattern Recognition - EMMCVPR 2009*, Springer, LNCS 5681, pp. 182-192, 2009.

[59] A. Albarelli, S. Rota Bulò, A. Torsello, M. Pelillo, "Matching as a Non-Cooperative Game." In *IEEE International conference on Computer Vision - ICCV 2009*, IEEE Computer Society, ISSN 1550-5499, ISBN 978-1-4244-4419-9, 2009.

[60] A. Albarelli, E. Rodolà, S. Rota Bul, A. Torsello, "Fast 3D surface reconstruction by unambiguous compound phase coding." In IEEE International Workshop on 3D Digital Imaging and Modeling - 3DIM2009, 2009.

[61] A. Albarelli, E. Rodolà, and A. Torsello, "Robust Game-Theoretic Inlier Selection for Bundle Adjustment." In *3D Data Processing, Visualization and Transmission – 3DPVT*, 2010.

[62] A. Albarelli, E. Rodolà, and A. Torsello, "A Game-Theoretic Approach to Fine Surface Registration without Initial Motion Estimation." In *IEEE International Conference on Computer Vision and Pattern Recognigion – CVPR2010*, IEEE Computer Society, 2010.

[63] A. Albarelli, E. Rodolà, A. Cavallarin, and A. Torsello, "Robust Figure Extraction on Textured Background: a Game-Theoretic Approach." In *20th International Conference on Pattern Recognition – ICPR2010*, 2010.

[64] E. Rodolà, A. Albarelli, and A. Torsello, "A Game-Theoretic Approach to Robust Selection of Multi-View Point Correspondence." In *20th International Conference on Pattern Recognition – ICPR2010*, 2010.

[65] E. Rodolà, A. Albarelli, and A. Torsello, "A Game-Theoretic Approach to the Enforcement of Global Consistency in Multi-View Feature Matching." In *Joint IAPR International Workshops on Structural and Syntactic Pattern Recognition (SSPR 2010) and Statistical Techniques in Pattern Recognition (SPR 2010)*, 2010.

[66] A. Erdem and A. Torsello, "A Game Theoretic Approach To Jointly Learn Shape Categories and Contextual Similarities." In *Joint IAPR International Workshops on Structural and Syntactic Pattern Recognition (SSPR 2010) and Statistical Techniques in Pattern Recognition (SPR 2010)*, 2010.

[67] A. Albarelli, E. Rodolà, and A. Torsello, "Loosely Distinctive Features for Robust Surface Alignment." In *11th European Conference on Computer Vision – ECCV2010*, pp. 519-532, 2010.

[68] A. Albarelli, E. Rodolà, and A. Torsello, "Robust Camera Calibration using Inaccurate Targets." In *21st British Machine Vision Conference – BMVC2010*, 2010.

[69] F. Bergamasco, A. Albarelli, A. Torsello, "Semi-supervised Segmentation of 3D Surfaces Using a Weighted Graph Representation." In *Proc. 8th IAPR-TC-15 International Workshop on Graph-Based Representations in Pattern Recognition – GbR2011*, pp. 225-234, Springer, LNCS 6658, 2011.

[70] F. Bergamasco, A. Albarelli, A. Torsello, "Image-Space Marker Detection and Recognition using Projective Invariants." In *International Conference on 3D Imaging, Modeling, Processing, Visualization and Transmission*, pp. 381-388, IEEE Computer Society, 2011.

[71] A. Torsello, E. Rodolà, A. Albarelli, "Sampling Relevant Points for Surface Registration." In *International Conference on 3D Imaging, Modeling, Processing, Visualization and Transmission*, pp. 290-295, IEEE Computer Society, 2011.

[72] A. Albarelli, E. Rodolà, A. Torsello, "A Non-Cooperative Game for 3D Object Recognition in Cluttered Scenes." In *International Conference on 3D Imaging, Modeling, Processing, Visualization and Transmission*, pp. 252-259, IEEE Computer Society, 2011.

[73] A. Torsello, E. Rodolà, A. Albarelli, "Multiview Registration via Graph Diffusion of Dual Quaternions." In *IEEE International Conference on Computer Vision and Pattern Recognigion – CVPR2011*, IEEE Computer Society, pp. 2441–2448, 2011.

[74] F. Bergamasco, A. Albarelli, E. Rodolà, A. Torsello, "RUNE-Tag: a High Accuracy Fiducial Marker with Strong Occlusion Resilience." In *IEEE International Conference on Computer Vision and Pattern Recognigion CVPR2011*, IEEE Computer Society, pp. 113–120, 2011.

[75] A. Torsello, L. Rossi, "Supervised Learning of Graph Structure." In *1st International Workshop on Bimilarity-Based Pattern Analysis and Recogntion – SIMBAD 2011*, Springer, pp. 117–132 ,2011.

[76] G. Maggiore, A. Torsello, F. Sartoretto, A. Cortesi, "Engaging high school students in computer science via challenging applications." In *12th Annual Conference on Information Technology Education – SIGITE 2011*, pp. 43–48, 2011.

[77] E. Rodolà, A. M. Bronstein, A. Albarelli, F. Bergamasco, A. Torsello, "A Game-Theoretic Approach to Deformable Shape Matching." In *IEEE International Conference on Computer Vision and Pattern Recognigion – CVPR2012*, IEEE Computer Society, pp. 182–189, 2012.

[78] F. Bergamasco, A. Albarelli, and A. Torsello, "A Practical Setup for Projection-based Augmented Maps." In *Software and Emerging Technologies for Education, Culture, Entertaiment, and Commerce – SETECEC 2012*, Blue Herons, pp. 13–22, 2012.

[79] A. Albarelli, F. Bergamasco, and A. Torsello, "Learning Computer Vision through the development of a Camera-trackable Game Controller." In *Software and Emerging Technologies for Education, Culture, Entertaiment, and Commerce – SETECEC 2012*, Blue Herons, pp. 177–186, 2012.

[80] A. Albarelli, F. Bergamasco, A. Torsello, "Rigid and Non-rigid Shape Matching for Mechanical Components Retrieval." In *11th IFIP TC 8 International Conference Computer Information Systems and Industrial Management – CISIM 2012*, pp. 168–179, 2012.

[81] F. Bergamasco, L. Cosmo, A. Albarelli, A. Torsello, "A Robust Multicamera 3D Ellipse Fitting for Contactless Measurements." In *nternational Conference on 3D Imaging, Modeling, Processing, Visualization & Transmission – 3DIMPVT 2012*, pp. 168–175, 2012.

[82] L. Rossi, A. Torsello, "An Adaptive Hierarchical Approach to the Extraction of High Resolution Medial Surfaces." In *nternational Conference on 3D Imaging, Modeling, Processing, Visualization & Transmission – 3DIMPVT 2012*, pp. 371–378, 2012.

[83] L. Han, L. Rossi, A. Torsello, R. C. Wilson, E. R. Hancock, "Information Theoretic Prototype Selection for Unattributed Graphs." In *Joint IAPR International Workshop on Structural, Syntactic, and Statistical Pattern Recognition – SSPR&SPR 2012*, pp. 33–41, 2012.

[84] L. Rossi, A. Torsello, E. R. Hancock, "Approximate Axial Symmetries from Continuous Time Quantum Walks." In *Joint IAPR International Workshop on Structural, Syntactic, and Statistical Pattern Recognition – SSPR&SPR 2012*, pp. 144–152, 2012.

[85] A. Albarelli, F. Bergamasco, L. Rossi, S. Vascon, A. Torsello, "A Stable Graph-Based Representation for Object Recognition through High-Order Matching." In *21st International Conference on Pattern Recognition*, pp. 3341–3344, 2012.

[86] F. Bergamasco, A. Albarelli, A. Torsello, M. Favaro, P. Zanuttigh, "Pairwise Similarities for Scene Segmentation combining Color and Depth data." In *21st International Conference on Pattern Recognition*, pp. 3565–3568, 2012.

[87] L. Rossi, A. Torsello, E. R. Hancock. "A Continuous-Time Quantum Walk Kernel for Unattributed Graphs." In *Proc. 9th IAPR-TC-15 International Workshop on Graph-Based Representations in Pattern Recognition – GbR2013*, Springer, pp. 101–110, 2013.

[88] L. Bai, E. R. Hancock, A. Torsello, L. Rossi. "A Quantum Jensen-Shannon Graph Kernel Using the Continuous-Time Quantum Walk." In *Proc. 9th IAPR-TC-15 International Workshop on Graph-Based Representations in Pattern Recognition – GbR2013*, Springer, pp. 121–131, 2013.

[89] F. Bergamasco, A. Albarelli, E. Rodolà, A. Torsello, "Can a Fully Unconstrained Imaging Model Be Applied Effectively to Central Cameras?" In *IEEE International Conference on Computer Vision and Pattern Recognigion – CVPR2013*, IEEE Computer Society, pp. 1391–1398, 2013.

[90] L. Rossi, A. Torsello, E. R. Hancock, "Attributed Graph Similarity from the Quantum Jensen-Shannon Divergence." In *2nd International Workshop on Bimilarity-Based Pattern Analysis and Recogntion – SIMBAD 2013* Springer pp. 204–218, 2013.

[91] L. Rossi, A. Torsello, E. R. Hancock, "Manifold Learning and the Quantum Jensen-Shannon Divergence Kernel." In *15th Int. Conf. Computer Analysis of Images and Patterns – CAIP 2013*, Springer, pp. 62–69, 2013.

[92] E. Rodolà, A. Torsello, T. Harada, Y. Kuniyoshi, D. Cremers, "Elastic Net Constraints for Shape Matching." In *IEEE International Conference on Computer Vision – ICCV 2013*, IEEE, pp. 1169–1176.

[93] F. Bergamasco, L. Cosmo, A. Albarelli, A. Torsello, "Camera Calibration from Coplanar Circles." Accepted for publication in *22st International Conference on Pattern Recognition – ICPR 2014*, in press.

[94] A. Albarelli, L. Cosmo, F. Bergamasco, A. Torsello, "High-Coverage 3D Scanning through Online Structured Light Calibration." Accepted for publication in *22st International Conference on Pattern Recognition – ICPR 2014*, in press.

[95] L. Cosmo, A. Albarelli, F. Bergamasco, A. Torsello, "Design and Evaluation of a Viewer-Dependent Stereoscopic Display." Accepted for publication in *22st International Conference on Pattern Recognition – ICPR 2014*, in press.

[96] L. Rossi, A. Torsello, E. R. Hancock, "Node Centrality for Continuous-Time Quantum Walks." Accepted for publication in *Joint IAPR International Workshop on Structural, Syntactic, and Statistical Pattern Recognition – SSPR&SPR 2014*, in press.

[97] A. Torsello, A. Gasparetto, L. Rossi, L. Bai, E. R. Hancock, "Transitive State Alignment for the Quantum Jensen-Shannon Kernel." Accepted for publication in *Joint IAPR International Workshop on Structural, Syntactic, and Statistical Pattern Recognition – SSPR&SPR 2014*, in press.

[98] A. Benetazzo, F. Bergamasco, F. Barbariol, A. Torsello, S. Carniel, M. Sciavo, "Towards an Operational Stereo System for Directional Wave Measurements from Moving Platforms." In *Proc. of the ASME 33rd International Conference on Ocean, Offshore and Arctic Engineering – OMAE2014*, ASME, 24024, 2014.

15.6 Capitoli di Libro

[99] M. Pelillo, S. Rota Bulò, A. Torsello, A. Albarelli, E. Rodol, "A Game-Theoretic Approach to Pairwise Clustering and Matching." In M. Pelillo Ed., *Similarity-Based Pattern Analysis and Recognition.* ADVANCES IN COMPUTER VISION AND PATTERN RECOGNITION, Springer, ISBN:9781447156277, ISSN:2191-6586, doi:10.1007/978-1-4471-5628-4_8, p. 179–216, 2013

15.7 Abstracts in Convegni Internazionali

[100] L. Rossi, A. Torsello, E. R. Hancock R. C. Wilson, "Graph Symmetries and the Quantum-Jensen Shannon Divergence." To be presented in *European Conference on Complex Systems – ECCS'14*, 2014.