

# Florian Daniel

## Scientific/professional curriculum vitae

### Personal identifying data

Name and surname	Florian Daniel
Data of birth	January 18, 1978
Place of birth	Silandro (BZ), Italy
Citizenship	Italian
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### Online references

Google Scholar	<a href="https://scholar.google.com/citations?user=pZL8Jj8AAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=pZL8Jj8AAAAAJ&amp;hl=en</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=8987012400">https://www.scopus.com/authid/detail.uri?authorId=8987012400</a>
ResearchGate	<a href="https://www.researchgate.net/profile/Florian_Daniel">https://www.researchgate.net/profile/Florian_Daniel</a>
DBLP	<a href="http://dblp.uni-trier.de/pers/hd/d/Daniel:Florian.html">http://dblp.uni-trier.de/pers/hd/d/Daniel:Florian.html</a>
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### Education

Florian obtained a Ph.D. in Information Technology from Politecnico di Milano in May 2007 and a M.Sc. in Computer Engineering (cum laude) from Politecnico di Milano in December 2003.

### Positions

Florian is an associate professor at the Dipartimento di Elettronica, Informazione e Bioingegneria of Politecnico di Milano, where he currently teaches the foundations of programming to Management Engineering students. He is also a teacher of the course Enterprise Resource Planning in the Università della Svizzera Italiana (USI), Lugano, Switzerland. Before, he held post-doc/research fellow positions in Politecnico di Milano (2007-2008) and University of Trento (2008-2005). He worked as visiting researcher in HP Labs, Palo Alto, California (2006), and the University of New South Wales, Sydney, Australia (2013, 2015, 2017), and as visiting professor in the Pontifícia Universidade Católica do Rio Grande do Sul (PUCRS), Porto Alegre, Brazil (2015).

### Research topics

His research over the last decade revolved around Web- and process-centric areas, such as Web Engineering, Web Mashups, Service-Oriented Computing, Business Process Management, and Crowd-powered Computing. His research typically focuses on extending the technologies and methodologies underlying these areas, in order to enable either new features, e.g., the composition of user interfaces or the joint orchestration of human and machine work, or new user groups, e.g., end-users. The methods applied are typically conceptual modeling, model-driven development, software prototyping, empirical performance evaluations, user studies, statistical hypothesis testing. His most recent work focuses on data science and blockchain.

### Publications

Florian published about 150 scientific articles, 46 of which in international journals, including 8 articles in ACM or IEEE Transactions and 2 in ACM Computing Surveys. As of March 19, 2019, Google

Scholar counts 4244 citations and an h-index of 35; Scopus counts 2169 citations and an h-index of 25. ResearchGate positions Florian in the top 12,5% of all ResearchGate members.

The full and updated list of his publications is available at <http://www.floriandaniel.it/publications.html>.

## Books

Florian is author of two international books, both published in Springer's book series on Data Centric Systems and Applications:

- F. Daniel and M. Matera. Mashups: Concepts, Models and Architectures. Springer, 2014. ISBN 978-3-642-55048-5. This is Springer's only reference volume on mashups, i.e., Web applications developed by reusing and integrating resources accessible over the Internet (101 citations so far in Google Scholar).
- S. Casteleyn, F. Daniel, P. Dolog and M. Matera. Engineering Web Applications. Springer, August 2009. ISBN 978-3-540-92200-1. The volume summarizes the area of Web engineering from a research perspective, with a special focus on model-driven development techniques (115 citations).

He also co-edited 13 conference/workshop proceedings volumes and 3 edited books, among which:

- A. Bouguettaya, Q. Z. Sheng and F. Daniel (Eds.). Advanced Web Services. Springer, 2014. ISBN 978-1-4614-7534-7.
- A. Bouguettaya, Q. Z. Sheng and F. Daniel (Eds.). Web Services Foundations. Springer, 2014. ISBN 978-1-4614-7517-0.

## Editorial activity

Florian is Associate Editor of

- Computing, Springer (2017 - today; youngest Editorial Board member as of October 2017)
- Journal of Web Engineering (2018 - today; youngest Editorial Board member, October 2018)
- Human Computation (2019 - today)
- International Journal of Web Engineering and Technology (2014 - 2019)

## Organizational roles

Florian is a Steering Committee member of the International Conference on Web Engineering (ICWE).

He served as PC Chair of:

- 11th International Conference on Business Process Management (BPM), Beijing, China (youngest PC Chair up to 2013), approx. 200 participants
- 13th International Conference on Web Engineering (ICWE), Aalborg, Denmark (youngest PC Chair up to 2013), approx. 150 participants
- 10th International Conference on Mobile Web Information Systems (MobiWIS), Paphos, Cyprus (youngest PC Chair up to 2013), approx. 100 participants

He also served as:

- Track PC Chair of ICWE 2018 (Short Papers), CTS 2016 (Collective Intelligence, Crowd Sourcing, and Collaboration), BPM 2015 (Emerging areas of BPM), MobiWIS 2011 (Mobile commerce and business services), EC-Web 2010 (Service-Oriented E-Commerce and Business Processes)
- General Workshop Chair of BPM 2011 and BPM 2018, approx. 200 participants each
- General Workshop Chair of ICWE 2010 and ICWE 2015, approx. 150 participants each
- Panel Chair of the 13th International Conference on Service Oriented Computing (ICSOC), Goa, India, approx. 200 participants

- Organizer of the International Rapid Mashup Challenge (RMC 2015, 2016)
- Organizer of the International Workshop on Lightweight Integration on the Web (ComposableWeb)
- 2012, 2011, 2010: Organizer of the International Workshop on Business Intelligence and the WEB (BEWEB 2012, 2011, 2010, 2009)
- Organizer of the International Workshop on Adaptation and Evolution in Web Systems Engineering (AEWSE 2008, 2007, 2006)

### **Keynotes and panels**

Florian was invited to give speeches and keynotes or to participate in panel discussions in the following events:

- Keynote speaker at the 11th Symposium and Summer School on Service-Oriented Computing (SummerSOC 2018)
- Keynote speaker at the 9th Central European Workshop on Services and their Composition (ZEUS 2017)
- Keynote speaker at the 4th International Symposium on Web Services (WSS 2014)
- Panelist at ICSOC 2014: "Collective Adaptive Systems: Challenges and Opportunities for Cloud and Services Computing"
- Keynote speaker at the ICWE 2011 PhD Symposium
- Keynote speaker at the CAISE 2010 Doctoral Consortium
- Keynote speaker at the First International Workshop on Future Trends of Model-Driven Development (FTMDD 2009)
- Panelist at WISE 2008: "Engineering Issues for the Web 2.0"

### **Invited talks**

Florian has also been invited to give talks at the following institutions:

- enetCollect COST Action, Lisbon, Portugal, March 2019
- NICTA, Sydney, Australia, August 2015
- UNSW, Sydney, Australia, September 2013
- The University of Adelaide, Australia, September 2013
- European BPM Round Table, Eindhoven, Netherlands, November 2012
- Social BPM Summer School, Como, Italy, July 2012
- HP Labs, Palo Alto, California, October 2009
- University of Innsbruck, Austria, January 2009
- ETH Zurich, Switzerland, May 2008 and May 2017
- University of Tartu, Estonia, December 12, 2007

He has also given the following tutorials:

- 14th International Conference on Web Engineering (ICWE 2014): "Mashups: A Journey from Concepts and Models to the Quality of Applications", July 2014
- 25th International Conference on Data Engineering (ICDE 2009): "Mashups, SaaS, and Cloud Computing: Evolutions and Revolutions in the Integration Landscape", April 2009

### **Scientific evaluator/reviewer**

He has been an evaluator for the following research funding bodies (2013 – today):

- Natural Sciences and Engineering Research Council of Canada (NSERC)
- Agence nationale de la recherche (ANR), France
- Netherlands Organisation for Scientific Research (NWO)
- National Centre of Science and Technology Evaluation, Republic of Kazakhstan
- Provincia Autonoma di Bolzano, Italy
- Regione Lombardia, Italy

Committee Member for the selection of a full professor position in Service-Oriented Computing, University of Stuttgart (2016 – 2017).

Committee Member for the award of 5 Ph.D. degrees at TU Chemnitz, Germany, University of the Basque Country, Spain, UPC Barcelona, Spain, University of Alicante, Spain, and University of Stuttgart, Germany.

Reviewer of about 40 international journals like TOSEM, TOIT, TOIS, TWeb, TSE, TKDE, TSC and THMS

PC Member of about 40 international conferences (multiple editions) like WWW, BPM, ACM SAC, ICWE, ICSOC, ISWC, ICWS

PC Member of more than 45 international workshops

### **Collaborations**

Florian collaborates regularly with Boualem Benatallah, University of New South Wales (UNSW) in Sydney, Australia, on Service-Oriented Computing and Crowdsourcing; Fabio Casati, University of Trento, Italy, on Crowdsourcing and Business Process Management; and Stefano Ceri and Marco Brambilla, Politecnico di Milano, Italy, on Data Science.

### **Student supervision**

During his work at the Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento, and the Dipartimento di Elettronico, Informazione e Bioingegneria, Politecnico di Milano, Florian co-supervised 2 Postdocs, 10 PhD students and a significant several dozens of master students.

### **Research projects**

Florian has research project experience at local (Provincia Autonoma di Trento, Applied Research, Law 6/99, 2012-2014, 5 projects), national (Italian FIRB and PRIN funding schemes, 2 projects), and international level (7 EU FP7 projects and 2 international industrial projects). He served as co-principal investigator, local coordinator and participant.

### **Funding**

So far, Florian attracted about 450k euros in research funding from both EU research projects (EU FP7 Omelette) and industrial research projects (MarcoFlow, Huawei, Shenzhen, China). In 2012, he was an ERC Starting Grant finalist.

## List of publications

### Books

- [B16] F. Daniel, Q.Z. Sheng and H. Motahari (Eds.). Business Process Management Workshops - BPM 2018 International Workshops, Sydney, NSW, Australia, September 9-14, 2018, Revised Papers. LNBIP 342, Springer 2019, ISBN 978-3-030-11640-8.
- [B15] F. Daniel and M. Gaedke (Eds.). Rapid Mashup Development Tools. Rapid Mashup Development Tools - Second International Rapid Mashup Challenge, RMC 2016, Lugano, Switzerland, June 6, 2016, Revised Selected Papers. CCIS 696, Springer 2017, ISBN 978-3-319-53173-1.
- [B14] F. Daniel and C. Pautasso (Eds.). Rapid Mashup Development Tools. First International Rapid Mashup Challenge, RMC 2015, Rotterdam, The Netherlands, June 23, 2015, Revised Selected Papers. Springer, 2016, CCIS 591, ISBN 978-3-319-28726-3.
- [B13] F. Daniel and O. Diaz (Eds.). Current Trends in Web Engineering. 15th International Conference, ICWE 2015 Workshops, NLPIT, PEWET, SoWEMine, Rotterdam, The Netherlands, June 23-26, 2015. Revised Selected Papers. Springer, 2015, LNCS 9396, ISBN 978-3-319-24800-4.
- [B12] F. Daniel and M. Matera. Mashups: Concepts, Models and Architectures. Springer, 2014. ISBN 978-3-642-55048-5.
- [B11] A. Bouguettaya, Q. Z. Sheng and F. Daniel (Eds.). Advanced Web Services. Springer, 2014. ISBN 978-1-4614-7534-7.
- [B10] A. Bouguettaya, Q. Z. Sheng and F. Daniel (Eds.). Web Services Foundations. Springer, 2014. ISBN 978-1-4614-7517-0.
- [B9] F. Daniel, G. Papadopoulos, P. Thiran (Eds.). Mobile Web Information Systems. 10th International Conference, MobiWIS 2013, Paphos, Cyprus, August 26-29, 2013, Proceedings. Springer, August 2013. ISBN 978-3-642-40275-3.
- [B8] F. Daniel, J. Wang and B. Weber (Eds.). Business Process Management. 11th International Conference, BPM 2013, Beijing, China, August 26-30, 2013, Proceedings. Springer, August 2013. ISBN 978-3-642-40175-6.
- [B7] F. Daniel, P. Dolog and Q. Li (Eds.). Web Engineering. 13th International Conference, ICWE 2013, Aalborg, Denmark, July 8-12, 2013, Proceedings. Springer, June 2013. ISBN 978-3-642-39199-6.
- [B6] F. Daniel, K. Barkaoui and S. Dustdar (Eds.). Business Process Management Workshops - BPM 2011 International Workshops Clermont-Ferrand, France, August/September 2011, Revised Selected Papers. Springer, 2012. Part II, LNBIP 100, ISBN 978-3-642-28114-3.
- [B5] F. Daniel, K. Barkaoui and S. Dustdar (Eds.). Business Process Management Workshops - BPM 2011 International Workshops Clermont-Ferrand, France, August/September 2011, Revised Selected Papers. Springer, 2012. Part I, LNBIP 99, ISBN 978-3-642-28107-5.
- [B4] M. E. Zorrilla, J.-N. Mazon, O. Ferrandez, I. Garrigos, F. Daniel and J. Trujillo (Eds.). Business Intelligence Applications and the Web: Models, Systems and Technologies. IGI Global, 2011. ISBN 9781613500385.
- [B3] F. Daniel and F. M. Facca (Eds.). Current Trends in Web Engineering - 10th International Conference on Web Engineering, ICWE 2010 Workshops. Springer, July 2010, Vienna, Austria. ISBN 978-3-642-16984-7.
- [B2] F. Daniel, L. M. L. Delcambre, F. Fotouhi, I. Garrigós, G. Guerrini, J.-N. Mazón, M. Mesiti, S. Müller-Feuerstein, J. Trujillo, T. Marius Truta, B. Volz, E. Waller, L. Xiong and E. Zimány (Eds.). Proceedings of the 2010 EDBT/ICDT Workshops. ACM, March 2010, Lausanne, Switzerland. ISBN 978-1-60558-990-9.

- [B1] S. Casteleyn, F. Daniel, P. Dolog and M. Matera. *Engineering Web Applications*. Springer, August 2009. ISBN 978-3-540-92200-1.

## Journal articles

- [J46] F. Daniel, C. Cappiello, B. Benatallah. Bots Acting Like Humans: Understanding and Preventing Harm. *IEEE Internet Computing*, accepted for publication in the special issue on Cognitive Services and Intelligent Chatbots.
- [J45] F. Daniel, L. Guida. A Service-Oriented Perspective on Blockchain Smart Contracts. *IEEE Internet Computing* 23(1), 2019, Pages 46-53.
- [J44] M. Allahbakhsh, S. Arbabi, M. Galavii, F. Daniel, B. Benatallah. Crowdsourcing Planar Facility Location Allocation Problems. *Springer Computing* 101(3), 2019, Pages 237-261.
- [J43] J. Saldivar, F. Daniel, L. Cernuzzi, F. Casati. Online Idea Management for Civic Engagement: A Study on the Benefits of Integration with Social Networking. *ACM Transactions on Social Computing* 2(1), Article 1, February 2019.
- [J42] F. Daniel, P. Kucherbaev, C. Cappiello, B. Benatallah, M. Allahbakhsh. Quality Control in Crowdsourcing: A Survey of Quality Attributes, Assessment Techniques and Assurance Actions. *ACM Computing Surveys* 51(1), Article No. 7, April 2018.
- [J41] J. Mendling, I. Weber, W.M.P. van der Aalst, J. vom Brocke, C. Cabanillas, F. Daniel, S. Debois, C. Di Ciccio, M. Dumas, S. Dustdar, A. Gal, L. García-Bañuelos, G. Governatori, R. Hull, M. La Rosa, H. Leopold, F. Leymann, J. Recker, M. Reichert, H.A. Reijers, S. Rinderle-Ma, A. Rogge-Solti, M. Rosemann, S. Schulte, M.P. Singh, T. Slaats, M. Staples, B. Weber, M. Weidlich, M. Weske, X. Xu, L. Zhu. Blockchains for Business Process Management - Challenges and Opportunities. *ACM Transactions on Management Information Systems* 9(1), Article 4, February 2018.
- [J40] J. Saldivar, C. Rodriguez, F. Daniel, F. Casati and L. Cernuzzi. On the (in)effectiveness of the Share/Tweet button. A study in the context of idea management for civic participation. *IEEE Internet Computing*, 2016, to appear. DOI 10.1109/MIC.2016.22.
- [J39] B. Valeri, F. Casati and F. Daniel. On the Value of Purpose-Oriented and Focus on Locals in Recommending Leisure Activities. *Journal of Web Engineering* 16(1&2), 2017, Pages 63–74.
- [J38] C. Rodríguez, F. Daniel and F. Casati. Mining and Quality Assessment of Mashup Model Patterns with the Crowd: A Feasibility Study. *ACM Transactions on Internet Technology* 16(3), Article 17, 2016. DOI 10.1145/2903138.
- [J37] P. Kucherbaev, F. Daniel, S. Tranquillini and M. Marchese. Crowdsourcing processes: a survey of approaches and opportunities. *IEEE Internet Computing*, March/April 2016, Pages 50-56. DOI 10.1109/MIC.2015.96.
- [J36] A. Lagares Lemos, F. Daniel and B. Benatallah. Web Service Composition: A Survey of Techniques and Tools. *ACM Computing Surveys* 48(3), February 2016, article 33. DOI 10.1145/2831270..
- [J35] J. Saldivar Galli, C. Vairetti, C. Rodríguez, F. Daniel, F. Casati and R. Alarcón. Analysis and improvement of business process models using spreadsheets. *Information Systems* 57, 2016, Pages 1–19. DOI 10.1016/j.is.2015.10.012.
- [J34] F. Daniel, G.A. Papadopoulos and P. Thiran. Mobile web information systems (MobiWIS 2013) - Best papers special issue editorial. *Computing* 97(10), 2015, Pages 983-984, DOI 10.1007/s00607-014-0423-8.
- [J33] S. Tranquillini, F. Daniel, P. Kucherbaev and F. Casati. Modeling, Enacting and Integrating Custom Crowdsourcing Processes. *ACM Transactions on the Web* 9(2), Article 7, May 2015, 43 pages.

- [J32] C. Parra, P. Silveira, I. Khaghani Far, F. Daniel, E.D. De Bruin, L. Cernuzzi, V. D'Andrea, F. Casati. Information Technology for Active Ageing: A Review of Theory and Practice. *Foundations and Trends in Human-Computer Interaction* 7(4), 2013, Pages 251-444. DOI 10.1561/11000000053.
- [J31] S. Roy Chowdhury, F. Daniel and F. Casati. Recommendation and Weaving of Reusable Mashup Model Patterns for Assisted Development. *ACM Transactions on Internet Technology* 14(2-3), Article 21, 2014.
- [J30] E. van het Reve, P. Silveira, F. Daniel, F. Casati and E.D. de Bruin. Tablet-Based Strength-Balance Training to Motivate and Improve Adherence to Exercise in Independently Living Older People: A Phase II Preclinical Exploratory Trial. Part 2: Effects on Physical Functioning. *Journal of Medical Internet Research* 16(6), 2014.
- [J29] B. Weber, F. Daniel and J. Wang. Best Papers of BPM 2013 - Editorial. *Information Systems* 46, Pages 83-84, Elsevier, DOI <http://dx.doi.org/10.1016/j.is.2014.05.001>. Special issue editorial.
- [J28] S. Soi, F. Daniel and F. Casati. Conceptual Development of Custom, Domain-Specific Mashup Platforms. *ACM Transactions on the Web* 8(3), Article 14, 2014.
- [J27] F. Daniel, P. Dolog and Q. Li. Component-Based, Client-Oriented Web Engineering: Issues, Advancements and Opportunities. *Journal of Web Engineering* 13(3&4), 2014, Pages 181-182. ICWE 2013 Best Papers special issue editorial.
- [J26] P. Silveira, R. van de Langenberg, E. van het Reve, F. Daniel, F. Casati, E.D. de Bruin. Tablet-Based Strength-Balance Training to Motivate and Improve Adherence to Exercise in Independently Living Older People: A Phase II Preclinical Exploratory Trial. *Journal of Medical Internet Research* 15(8), 2013.
- [J25] M. Castellano, F. Daniel, I. Garrigós and J.-N. Mazón. Business Intelligence and the Web. Guest editors' introduction. *Information Systems Frontiers* 15(3), 2013, Pages 307-309. Special issue editorial.
- [J24] P. Silveira, E. van het Reve, F. Daniel, F. Casati and E.D. de Bruin. Motivating and Assisting Physical Exercise in Independently Living Older Adults: A Pilot Study. *International Journal of Medical Informatics* 82(5), May 2013, Pages 325-334.
- [J23] C. Rodríguez, D. Schleicher, F. Daniel, F. Casati, F. Leymann and S. Wagner. SOA-enabled compliance management: instrumenting, assessing, and analyzing service-based business processes. *Service-Oriented Computing and Applications* 7(4), 2013, Pages 39-50.
- [J22] F. Daniel, M. Imran, S. Soi, A. De Angeli, C. R. Wilkinson, F. Casati and M. Marchese. Developing Mashup Tools for End-Users: On the Importance of the Application Domain. *International Journal of Next-Generation Computing* 3(2), July 2012.
- [J21] J.N. Mazón, I. Garrigós, F. Daniel and M. Castellanos. Report of the International Workshop on Business Intelligence and the Web – BEWEB 2011. *SIGMOD Record* 41(3), September 2012, Pages 51-53.
- [J20] F. Daniel and M. Younas. Mobile Web and service applications: guest editors' introduction. *Service Oriented Computing and Applications* 6(4), December 2012, Pages 337-339. Special issue editorial.
- [J19] H. Gebhardt, M. Gaedke, F. Daniel, S. Soi, F. Casati, C. A. Iglesias and S. Wilson. From Mashups to Telco Mashups: A Survey. *IEEE Internet Computing* 16(3), 2012, Pages 70-76.
- [J18] J.-N. Mazón, I. Garrigós, F. Daniel and J. Trujillo. Introduction to the special issue of Business Intelligence and the Web. *Decision Support Systems* 52(4), 2012, Pages 851-852. Special issue editorial.
- [J17] F. Daniel, S. Soi, S. Tranquillini, F. Casati, C. Heng and L. Yan. Distributed orchestration of user interfaces. *Information Systems* 37(6), September 2012, Pages 539-5561.
- [J16] F. Daniel, M. Matera and M. Weiss. Next in Mashup Development: User-Created Apps on the Web. *IEEE IT Professional* 13(5), Sept-Oct 2011, Pages 22-29.

- [J15] F. Daniel, F. Casati, P. Silveira, M. Verga and M. Nalin. Beyond Health Tracking - A Personal Health and Lifestyle Platform. *IEEE Internet Computing* 15(4), July/August 2011, Pages 14-22.
- [J14] C. Cappiello, F. Daniel, M. Matera and C. Pautasso. Information Quality in Mashups. *IEEE Internet Computing* 14(4), July/August 2010, Pages 14-22.
- [J13] C. Rodriguez, F. Daniel, F. Casati and C. Cappiello. Toward Uncertain Business Intelligence: the Case of Key Indicators. *IEEE Internet Computing* 14(4), July/August 2010, Pages 32-40.
- [J12] F. Daniel and M. Matera. Quando l'utente guida l'innovazione: Il web mashup. *Mondo Digitale* 34, June 2010, AICA, Pages 29-38 (in Italian).
- [J11] S. Ceri, F. Daniel, M. Matera and A. Raffio. Providing Flexible Process Support to Project-Centered Learning. *IEEE Transactions on Knowledge and Data Engineering* 21(6), June 2009, Pages 894-909.
- [J10] S. Casteleyn, F. Daniel and P. Dolog. Adaptation and Evolution in Web Systems Engineering. *Journal of Web Engineering* 7(3), 2008, Pages 177-178. Special issue editorial.
- [J9] D. Braga, S. Ceri, F. Daniel and D. Martinenghi. Mashing up search services. *IEEE Internet Computing* 12(5), September-October 2008, Pages 16-23.
- [J8] J. Yu, B. Benatallah, F. Casati and F. Daniel. Understanding Mashup Development. *IEEE Internet Computing* 12(5), September-October 2008, Pages 44-52.
- [J7] F. Daniel and G. Pozzi. An Open ECA Server for Active Applications. *Journal of Database Management* 19(4), 2008, Pages 1-20.
- [J6] F. Daniel, M. Matera and G. Pozzi. Managing Runtime Adaptivity through Active Rules: the Bellerofonte Framework. *Journal of Web Engineering* 7(3), September 2008, Pages 179-199.
- [J5] S. Ceri, F. Daniel, F. Facca and M. Matera. Model-driven Engineering of Active Context Awareness. *World Wide Web Journal* 10(4), December 2007, Pages 387-413.
- [J4] F. Daniel, J. Yu, B. Benatallah, F. Casati, M. Matera and R. Saint-Paul. Understanding UI Integration: A survey of problems, technologies and opportunities. *IEEE Internet Computing* 11(3), May/June 2007, Pages 59-66.
- [J3] S. Ceri, F. Daniel, M. Matera and F. M. Facca. Model-driven Development of Context-Aware Web Applications. *ACM Transactions on Internet Technology* 7(1), 2007.
- [J2] S. Ceri, F. Daniel and F. M. Facca. Modeling Web Applications reacting to User Behaviors. *Computer Networks* 50(10), July 2006, Pages 1533-1546.
- [J1] F. Daniel and B. Pernici. Insights into Web Service Orchestration and Choreography. *International Journal of E-Business Research* 2(1), January-March 2006, Pages 58-77.

### **Contributions to books**

- [I8] C. Rodriguez, S. Roy Chowdhury, F. Daniel, H.R. Matahari Nezhad and F. Casati. Assisted Mashup Development: On the Discovery and Recommendation of Mashup Composition Knowledge. In *Web Services Foundations*, Springer, 2014, Pages 683-708.
- [I7] S. Soi, F. Daniel and F. Casati. Conceptual Design of Sound, Custom Composition Languages. In *Web Services Foundations*, Springer, 2014, Pages 53-79.
- [I6] P. Silveira, C. Rodríguez, A. Birukou, F. Casati, F. Daniel, V. D'Andrea, C. Worledge and Z. Taheri. In *Aiding Compliance Governance in Service-Based Business Processes. Handbook of Research on Service-Oriented Systems and Non-Functional Properties: Future Directions*, edited by S. Reiff-Marganiec and M. Tilly, IGI Global, 2012, Pages 524-548.
- [I5] F. Daniel and G. Pozzi. Aiding the Development of Active Applications: a Decoupled Rule Management Solution. In *Principle Advancements in Database Management Technologies: New*



Applications and Frameworks, edited by K. Siau and J. Erickson, 2009, Information Science Reference.

- [I4] F. Daniel. Context-Aware Applications for the Web: a Model-Driven Development Approach. In Context-Aware Mobile and Ubiquitous Computing for Enhanced Usability: Adaptive Technologies and Applications, edited by D. Stojanovic, 2009, IGI Global, Pages 59-82.
- [I3] C. Combi, F. Daniel and G. Pozzi. XPDLEnabled Cross-Product Exception Handling for WfMSs. In 2008 BPM and Workflow Handbook, edited by L. Fischer, 2008, Future Strategies Inc., Pages 177-186.
- [I2] F. Daniel and B. Pernici. Web Service Orchestration and Choreography: Enabling Business Processes on the Web. In E-Business Models, Services, and Communications - Advances in E-Business Research Series, edited by I. Lee, Volume 2, 2007, IGI Global, Pages 251-274.
- [I1] R. Torlone et al. (F. Daniel). Front-end Methods and Tools for the Development of Adaptive Applications. In Mobile Information Systems. Infrastructure and Design for Flexibility and Adaptivity, edited by B. Pernici, 2006, Springer, Pages 209-246.

## Conference papers

- [C67] A. Millimaggi, F. Daniel. On Twitter Bots Behaving Badly: Empirical Study of Code Patterns on GitHub. ICWE 2019, accepted for publication.
- [C66] N. Castaldo, F. Daniel, M. Matera, V. Zaccaria. Conversational Data Exploration. ICWE 2019, accepted for publication.
- [C65] G. Ramponi, M. Brambilla, S. Ceri, F. Daniel, M. Di Giovanni. Vocabulary-based Community Detection and Characterization. ACM SAC 2019, in print.
- [C64] L. Guida, F. Daniel. Supporting Reuse of Smart Contracts through Service Orientation and Assisted Development. IEEE DappCon 2019, in print.
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