

# ANTONIO RIZZI

Professor, Manager and Entrepreneur!

@ rzzntn@gmail.com

I live with my wife, 3 sons, and a border collie in Parma - Italy



## SUMMARY

I'm a full professor of Logistics and Supply Chain Management at the Industrial Engineering Department of the University of Parma. Logistics, Supply Chain Management and retail are my main scientific interests

In the last few years, my research has been focusing on the application of auto id and data sharing technologies for supply chain management & retailing, such as RFID and IOT, the Internet of things.

More specifically, my research has been addressing how and where RFID can be considered as a viable tool to achieve value added traceability in the supply chain, and how to streamline processes through activity automation and punctual visibility of flows in the pipeline

I'm the founder and the director of RFID Lab at the University of Parma, a world leading research centre devised to promote research, training and services to stakeholders, such as technology providers and end users. The centre pioneered research in the Italian RFID arena and has been widely recognized as a worldwide center of excellence

In the last decade, I've been invited to almost one hundred conferences to share my research results

I've published about 60 research papers in qualified international journals. My Hindex is 18; I've 1.500 citations approximately

Some of my works have been awarded international prizes by the scientific community

## EDUCATION

Post Graduate Degree -  
Mechanical Engineering

University of Parma

11/1987 - 06/1993

GPA

110 / 110

Ph.D. in Industrial Logistics,  
Manufacturing systems and industrial  
plants

University of Parma

11/1995 - 11/1998

## EXPERIENCE

### Full Professor

University of Parma

11/2005 - Ongoing

RFID applications to Industrial Logistics and Supply Chain Management

- in 2005 I founded RFID Lab, the first Italian and one of the first worldwide labs that pioneered research on RFID applications in business
- Editor in Chief of the International journal of RF technologies: Research and Applications, edited by IOS press

### Founder & shareholder

Id-Solutions - a spinoff company of the University of Parma

01/2006 - Ongoing

Vice President - Board of Directors

IDS offers "turn key" RFID deployments - hw, software, consultancy, value added services, maintenance - to optimize supply chain and retail processes in different industries

- founded in 2006, today IDS encompasses 15 people, with more than a century of year person experience in RFID, overall
- the company has been delivering value to companies like Johnson and Johnson, Barilla, Luxottica, Conad, Grandi Salumifici italiani, Ferrero, Stef Tfe, Max Mara Fashion Group, Gucci; Versace
- IDS manages more than 1.000 RFID read points worldwide (from Australia, China to Brazil) 24/7/365; In 2016 IDS tracked 30M+ RFID tags
- in 2017, IDS has been acquired by Murata Manufacturing Corporation. Both companies benefit by combining their own strengths: IDS research background and RFID expertise with Murata's unique technologies, new product development capabilities and broad global network

### President of the Board

TEP S.p.A.

08/2015 - 07/2018

Public transportation Authority - Parma

- President of the board
- 3Y achievements: 6M net profits +10% incomes from tickets, + 7% passengers; 25M new buses investments

## QUOTES

*Dr. Antonio Rizzi is a thought leader in auto-ID technologies, especially RFID. For several years, he and his team of colleagues at the University of Parma have been on the forefront of the development and application of RFID. Dr. Rizzi has an international reputation for his work in this area*

Bill Hardgrave - RFID Lab Auburn

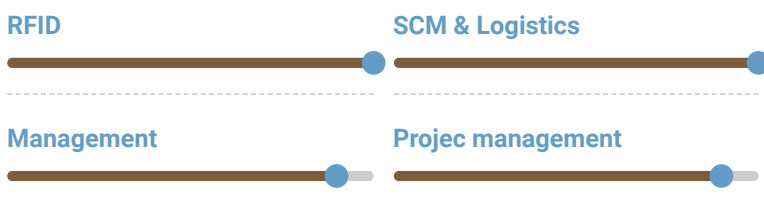
*Professor Antonio Rizzi has contributed much to the development and teaching of RAIN RFID. His research, laboratory, student outreach and community efforts have given valuable insights to RAIN RFID projects spanning research to large-scale deployments. As a consequence, Professor Rizzi has a well-recognized and respected name in our industry*

Cris Diorio - CEO Impinj

*Antonio Rizzi has been a thought leader in the RFID industry for many years. His research into how RFID can benefit companies in the retail, apparel and consumer packaged goods sector has been important in helping move the industry forward. He has spoken at many RFID events, sharing the results of the RFID lab's research and helping give companies confidence that RFID technologies are worth investing in*

Mark Roberti - EIC RFID journal

## SKILLS

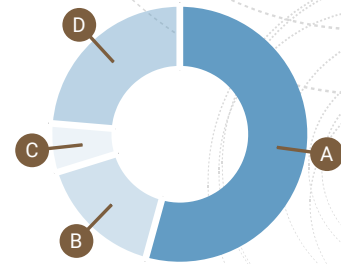


## LANGUAGES

English: 4/5 (4 blue, 1 brown)

Italian: 5/5 (5 blue)

## MY ORDINARY DAY



- A WORK - 6:00 am - 1:00 pm - 2:00 pm - 8:00 pm
- B FAMILY - 8:00 pm - 10:30 pm
- C HEALTH - 5:00 am - 5:45 am - wake up and fitness (twice a week) or 1:00 pm - 3:00 pm - cycling (once a week)
- D SLEEP - 10:30 pm - 5:00 am

## MOST PROUD OF

**Goal orientation and persistence**  
I'm used to setting goals. I'm faithful to succeed, I discipline myself and persist step by step until I reach the objective. Fairness is not negotiable. All my achievements in life have this common pattern

**balance work and family**  
Manage to work 60-70+ hours per week because I love my jobs, and to raise 3 kids with my lovely wife because I do love my family

**"mens sana in corpore sano"**  
mental and physical health are my priorities. Work out at home and cycle 3-4.000 km per year. Educate myself and my family to good food and healthy lifestyle

**Values**  
we must learn how to live together in tolerance in order that "Liberty, Equality and Fraternity" become not just a motto

## 10 YEARS PUBLICATIONS

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### RFID-enabled visual merchandising in apparel retail

**International Journal of RF Technologies: Research and Applications**  
8(4), pp. 213-231

*Rizzi, A., Volpi, A.*

 2018  URL

Publication Description

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### Testing an RFID receiving gate for improving process accuracy in fashion and apparel retail

**RTSI 2017 - IEEE 3rd International Forum on Research and Technologies for Society and Industry, Conference Proceedings 8065916**

*Bertolini, M., Rizzi, A., Romagnoli, G., Volpi, A.*

 2017  URL

Publication Description

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### Testing and deploying an RFID-based real-time locating system at a fashion retailer: A case study

**Lecture Notes in Electrical Engineering**  
413, pp. 201-214

*Rizzi, A., Romagnoli, G.*

 2017  URL

Publication Description

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### Monitoring on-shelf availability, out-of-stock and product freshness through RFID in the fresh food supply chain

**International Journal of RF Technologies: Research and Applications**  
8(1-2), pp. 33-55

*Bottani, E., Bertolini, M., Rizzi, A., Romagnoli, G.*

 2017  URL

Publication Description

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### RFID smart data analysis for reading discrimination and direction detection

**Proceedings of the Summer School Francesco Turco 2017-September, pp. 390-396**

*Bertolini, M., Rizzi, A., Romagnoli, G., Volpi, A.*

 2017  URL

Publication Description

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## AWARDS

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**Special Lifetime Logistics Service Award for outstanding achievements and continous contribution to the science and practive of logistics management**



By the International Logistics and Supply Chain Congress Scientific Committee

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**Top 10 most cited Articles - by the International Journal of Production Economics**



for my paper Bottani, E., Rizzi, A., 2008, Economical assessment of the impact of RFID technology and EPC system on the Fast Moving Consumer Goods supply chain, 112 (2)

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**International Journal of Logistics Award of the "The Institute of Logistics and Transport**



for my paper "Rizzi, A., 2002, Improvement of Inter-facility shipments efficiency by means of a heuristic bin-packing algorithm, International journal of logistics: research and application, 5 (2), 139-160

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**Outstanding Doctoral Research Awards 2011**



Emerald Group Publishing and European Foundation for Management Development

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# 10 YEARS PUBLICATIONS

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## Introducing new RFID-enabled indicators to evaluate the performance of fashion retailers

**Proceedings of the Summer School Francesco Turco 2017-September, pp. 54-60**

*Bertolini, M., Maggiali, L., Rizzi, A., Romagnoli, G., Volpi, A.*

📅 2017 🔗 URL

Publication Description

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## Strategic fit of the Italian supply chains: An experimental Study

**Proceedings of the Summer School Francesco Turco 13-15-September-2016, pp. 231-235**

*Rizzi, A., Romagnoli, G.*

📅 2016 🔗 URL

Publication Description

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## A new framework for RFID use cases in fashion and apparel retailing

**International Journal of RF Technologies: Research and Applications, 7 (2-3), 105-129**

*Rizzi, A., Romagnoli, G., Thiesse, F.*

📅 2016

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## Improving logistics efficiency of industrial districts: a framework and case study in the food sector

**International Journal of Logistics Research and Applications, 18 (5), 402-423**

*Bottani, E., Rizzi, A., Vignali, G.*

📅 2015

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## Benchmarking of RFID devices for apparel applications: An experimental approach

**International Journal of RF Technologies: Research and Applications, 6 (2-3), pp. 151-169**

*Piramuthu, S., Rizzi, A., Vignali, G., Volpi, A.*

📅 2015

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# 10 YEARS PUBLICATIONS

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Shrinkage reduction in perishable food supply chain by means of an RFID-based FIFO management policy,

**International Journal of RF Technologies: Research and Applications**, 5 (3-4), pp. 123-136

*Bertolini, M., Bottani, E., Rizzi, A., Volpi, A., Renzi, P.*

📅 2013

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Performances of RFID, acousto-magnetic and radio frequency technologies for electronic article surveillance in the apparel industry in Europe: A quantitative study

**International Journal of RF Technologies: Research and Applications** 3 (2) , pp. 137-158

*Bottani, E., Ferretti, G., Montanari, R., Rizzi, A., Volpi, A.*

📅 2012

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Experimental evaluation of business impacts of RFID in apparel and retail supply chain,

**International Journal of RF Technologies: Research and Applications** 3 (4) , pp. 257-282

*Bertolini, M., Bottani, E., Ferretti, G., Rizzi, A., Volpi, A.*

📅 2012

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A quantitative evaluation of the impact of the RFID technology on shelf availability

**International Journal of RF Technologies: Research and Applications**, 3 (1), 159-180

*Bertolini, M., Ferretti, G., Montanari, R., Rizzi, A., Vignali, G.*

📅 2012

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“Logistica e RFID come creare valore nel settore food e largo consumo”,

**Springer, Milano, 2011, ISBN 978-88-470-1928-7**

*Rizzi, A., Montanari, R., Bertolini, M., Bottani, E., Volpi, A.*

📅 2011

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Ottimizzazione della supply chain

**Confezione, XXV (6), 26-29**

*Rizzi, A., Bottani, E.*

📅 2009

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# 10 YEARS PUBLICATIONS

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The benefits of RFID and EPC in the supply chain: lessons from an Italian pilot study

**The Internet of Things: 20th Tyrrhenian Workshop on Digital Communications, ISBN: 978-1-4419-1673-0, vol.1, pp.293-302,**

*Bertolini, M., Bottani, E., Rizzi, A., & Volpi, A.,*

📅 2009

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The impact of RFID technology and EPC system on logistics processes of the fashion industry supply chain.

**International Journal of RF Technologies: Research and Applications, 1(4), 225-252**

*Bottani, E., Ferretti, G., Montanari, R., Rizzi, A.*

📅 2009

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The impact of RFID technology and EPC system on stock-out of promotional items

**International Journal of RF Technologies: Research and Applications, 1 (1), 6-22**

*Bottani, E., Montanari, R., Rizzi, A.*

📅 2009

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Implementare un progetto RFID

**Logistica Management, 187, 81-86**

*Rizzi, A*

📅 2008

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Come sviluppare un progetto RFID. Un approccio metodologico

**Logistica Management, 186, 67-80**

*Rizzi, A*

📅 2008

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Economical assessment of the impact of RFID technology and EPC system on the Fast Moving Consumer Goods

**International Journal of Production Economics (special issue RFID: Technology, Applications and Impact on Business Operations), 112(2), 548-569**

*Bottani, E., Rizzi, A.*

📅 2008

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# 10 YEARS PUBLICATIONS

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An adapted multi-criteria approach to suppliers and products selection – An application oriented to lead-time reduction

**International Journal of Production Economics, 111(2), 763–781**

*Bottani, E., Rizzi, A.*

📅 2008

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Reengineering and Simulation of an RFID Manufacturing System

**1st International Conference on Dynamics in Logistics, Bremen (Germany), August 27 – 28, 2007**

*Rizzi, A., Montanari, R., Volpi, A., Tizzi, M.*

📅 2008

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Optimal storage design for perishable goods

**Logistics Research Network Conference 2007, Hull (United Kingdom), 5th-7th September 2007**

*Carboni, C., Montanari, R., Rizzi, A.*

📅 2007

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A new challenge in the pharmaceutical supply chain

**European Pharmaceutical Review, 2, 103-108**

*Montanari, R., Rizzi, A.*

📅 2007

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An analytical methodology to estimate the potential volume attracted by a rail-road intermodal terminal

**International Journal of Logistics: research and application, 10 (1), 11-28**

*Bottani, E., Rizzi, A.*

📅 2007

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An alternative approach to HACCP System implementation

**Journal of Food Engineering, 79, 1322-1328**

*Bertolini, M., Bevilacqua, M., Rizzi, A.,*

📅 2007

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# 10 YEARS PUBLICATIONS

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## Lead time reduction through ICT application in the footwear industry: a case study

**International Journal of Production Economics (special issue Recent developments in operations strategy, supply chain design and production systems - Selected papers from the 18th International Conference on Production Research), 110(1-2), 198-212**

*Bertolini, M., Bevilacqua, M., Bottani, E., Rizzi, A.*

📅 2007

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## Perspectives for sustainable business processes through RFID technology

**IV Global Conference for sustainable product development and Life Cycle Assessment, Sao Carlos (Brasil), 3rd -6th October 2006**

*Bottani, E., Rizzi, A.*

📅 2006

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## La tracciabilità nel settore alimentare, un'analisi critica.

**Logistica Management, 166, 85-98**

*Rizzi, A.*

📅 2006

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## Strategic management of logistics service: a fuzzy QFD approach

**International Journal of Production Economics, 103 (2), 585-599**

*Bottani, E., Rizzi, A.*

📅 2006

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## A fuzzy TOPSIS approach for the selection of the third party logistics services provider

**Supply Chain Management: an International Journal, 11 (4), 294-308**

*Bottani, E., Rizzi, A.*

📅 2006

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