

CURRICULUM VITAE



PERSONAL INFO

Name **REMIGIO BERRUTO**
E-mail **remigio.berruto@unito.it**

Citizenship **Italian**

Born date **JULY 13, 1963**

WORK EXPERIENCE (LAST 5 YEARS)

- Date (from – to) From November 1, 2002 to current
- Name and address of working place University of Turin – Department of Agricultural, Forestry and Food Sciences, Largo Braccini 2, 10095, Grugliasco (TO), Italy
- Role Associate professor - AGR/09 agricultural and biosystem engineers

- Date (from – to) From June, 2017 to current
- Name and address of working place University of Florida – Department of Agricultural and Biological Engineering, Gainesville, FL, USA
- Role Courtesy Associate Professor

- Date (from – to) From July 16, 1990 to October 31, 2002
- Name and address of working place University of Turin – Department of Agricultural, Forestry and Food Sciences, Largo Braccini 2, 10095, Grugliasco (TO), Italy
- Role Assistant professor

EDUCATION AND TRAINING

- Date of achievement August 6, 2004
 - Recipient Purdue University
 - Qualification PhD in Agricultural Systems Management

- Date of achievement 11 July 11, 1987
 - Recipient The University of Turin, School of Agriculture
 - Qualification Master, score 110/110 cum Laude

PROFESSIONAL COMPETENCES

- Mother tongue Italian
- Foreign language English, French
- Reading skills Excellent
- Writing skills Good
- Oral Good

ICT skills Using personal computers. Good knowledge of SQL relational database and CMS Drupal. Excellent knowledge of office package (Word, Excel, Power Point, Access). Good knowledge of ASP and MVC for creating dynamic Web pages. Excellent knowledge of simulation language Extendsim for discrete event simulation. Knowledge of GAMS CPLEX, software for linear programming. Linear and mixed-integer programming applications. Knowledge of Matlab.

Driving license C

RESEARCH ACTIVITY

The research carried out in the agricultural engineering sector (AGR / 09), it has been focused on the study of logistics and sustainability of agricultural operations. The following describes the main lines of research that have characterised the last decade of scientific activities in the role of associate professor.

Sustainability and optimising the use of resources

The introduction of intelligent machines, autonomous vehicles for agricultural operations, together with those who are new detection and sensor technologies will allow for higher efficiency and reduced environmental impact of the operation in agricultural development. However, to take full advantage of these technologies, we need to develop new management approaches, at strategic, tactical and operational level.

It must then apply methods of operations research to plan routes and to make appropriate scheduling of activities both within the plot. We have to consider also a plan that goes beyond corporate boundaries, considering not only the operation in the field but also all logistics operations that make complex optimisation of the work of operators' machines.

The tools that we can use to make this improvement of the efficiency of the machines are the vehicle routing problem, sharing trailers from nearby machines, work patterns that save time and labour.

The combined use of heuristic algorithms, linear programming and discrete events simulation allow savings of up to 20% of energy consumption and costs associated with the operation concerning the same activity carried out traditionally.

A level of technology transfer has been made of the portals where you can evaluate with sufficient precision the costs of operation in the field and logistical operations. These results are related to a configuration of plots related to a real company regarding shape, surface distance from the farm centre and the plants that use the production (e.g. the distance of the plot from the biogas plant). The portal is available on site and is www.bioresource4energy.eu; it is of free use.

On the portal, we can compare different cultural systems, as well as economic balance an energy balance is also calculated and is finalising the count of carbon dioxide emissions. The system was used to evaluate different agronomic cultural practices, such as the biological one, the traditional and the low mechanical input.

Another very interesting technology to make it sustainable in corn production is the slow drying of the product, which uses for drying when possible the energy contained in the air. Preliminary tests have enabled energy savings of 45-55% depending on environmental conditions.

Similarly, the development of a corn header that makes during grain harvest the swath of the stalks during the harvesting of the grain opens new openings both economically and environmentally sustainable use of this type of residues.

Simulation of agricultural operations

The simulation has always been a field on which prof. Berruto worked since 1988, where with simulation software has built a model to improve the use of grape harvesters and investigate in particular the length of the rows and its effect on downtime and timing discharge of these machines. When the simulation involves transactions that involve flows of materials (collection products in the field, transport, distribution of products in the field and replication), many variables come into play. In addition to the shape and size of the plot and the distance of the same from the center company, is the variability and the quantity produced in the plot. This variability can lead us to have to over-dimension the transport equipment to cope with the crop yield and harvester capacity. Especially the new harvesting machines with great capacities requires adequate transportation construction site configuration.

The climate factor may, in turn, result in a variable configuration of the working chain to face moments when the window to do the operations is reduced due to adverse environmental conditions.

They are studying the regional simulations to assess the impact of specific policies on the traffic and therefore on the performance of means used in transportation.

Concerning the harvesting operations and transport grain storage, they are a complex system, dynamic and interactive. To study it properly one must begin by field surveys to define a model that can reflect what is happening in the field with minimal errors. The harvest routes are represented as a set of a single pass, each characterised by a length, width and production. This representation simplifies the simulation and allows the maximum accuracy of the model.

The model per se does not allow an optimisation but allows to verify procedures of scheduling and optimisation in real conditions characterised by a particular variability of the parameters, because it uses the stochastic parameters that vary around the statistical distributions entered as input in the model.

The biomass, characterised by a low energy density and low value, it is even more subject to the logistic costs. As the distance transportation may become a limiting factor in the collection process, and this is even more important when the time frame, due to adverse weather events is reduced and product masses are still relevant for the harvesting process.

The model, in this case, allows understanding where the bottlenecks, and what actions can be done to improve the situation. The scenarios may require a change in resources or a different location of the same. In some cases, it is also possible to reduce the manpower while maintaining the performance of the shipyard to acceptable levels.

To correctly size the construction site for the collection and transportation of grains different simulation models are designed to help to:

- Evaluate the behaviour of the system in different scenarios (management strategies, composition of the shipyard, plots of characteristics, etc.);
- Choose the machines and labour suitably to be employed considering the technical, logistical and economic;
- To study the effect of innovations in the field or at the storage centres on the overall system performance;
- Assess the impact of traceability procedures.

Investigations in the field at the national level were conducted on rice, wheat in the south of Australia and Argentina on corn. The study was carried out within a collaboration with INTA logistic advantages slow drying and the use of silo-bags as temporary storage of grain.

Biomass logistics and transport of manure to the fields

Research in this field concerning the optimal sizing:

- Transport of the silo maize with the combined use of simulation models and linear programming. The optimisation can be related to economic or energy objectives;
- Transport of manure with different working chain composition, slurry doses distributed and the distribution methods chosen (tank spreader and umbilical method). Even in this case, we combine linear mixed programming models that take account of the technical constraints (e.g. Weekly hours of labour, periods of soil cultivation sowing) and those legislative and environmental, as well as the conditions under which they must operate the machines.

Supply chain logistics of fresh and seasonal produce

The objective of the research is to study the potential logistics solutions regarding transport, product aggregation and flow of information to help to improve on one hand the quality of the product made it to the customer, and secondly the amount sold.

It tries to analyse the entire supply chain, and on the other hand to raise awareness among operators towards the use of new logistics technologies and strategies to strengthen the supply chain and its environmental sustainability with system perspective, acting mainly on what is the sharing of information to the various links in the chain. It was developed a model to predict the demand for seasonal products that allows a reduction of the storage by 86% while maintaining the same level of service for the consumer, provided that specific information be shared among the logistics chain links.

Renewable energies for alpine pasture

To evaluate the electrical energy produced from renewable sources by a plant in alpine sites, we proceed with punctual reliefs on the performances of the individual components of the system (photovoltaic, micro hydraulics, generator, batteries). The individual components forming part of the system are subsequently presented with algorithms that simulated their dynamic performance during the season.

The allows, after entering the significant parameters of the system, to evaluate its behaviour with the evolution of the pasture season and the needs of the farm through simulation, hour by hour, the energy situation and the battery charge status. The program, used by the Piedmont Region for the design verification of applications for financing renewable energy, currently available in Italian, French, English, and German languages. It was distributed together with a book on renewable energies in the mountain pastures in about 900 copies to industry insiders, technicians and professionals, also published in Italian and French.

For the chain of production of woodchips for energy purposes, we have been developed a series of management resource planning tools to plan the supply of wood chip and cuts the cost of woodchip production and transport.

Finally, it was also studied a prototype of a hydroelectric power station from 600 W maximum power, with the aim to determine their behaviour in different flow rate and pressure conditions.

Experimental teaching methodologies and technology and innovation transfer

A variety of mechanisms are used to provide awareness, training and education for the stakeholder groups. Among these methods for the transfer of knowledge, there are services and tools for farmers, such as web-based portals, Wireless applications, decision support systems, mobile apps and social media. In some cases, the use of plants in the field and pilot demonstrations are very useful in demonstrating the technical and economic feasibility of innovation proposal. Among the activities to be counted web applications and client-server for the development of business point plan considering logistics operations and streams in biogas plants, as well as tools for decision support about business models and business plans for the processes and products in the agrifood sector. It was developed a versatile tool to implement Wizards report on economic and environmental sustainability issues of proposed innovations. Two programs were also produced for the verification of the technical-economic feasibility of small plants (<100 kW), or up to sizes of 1 MWe. Moreover, the research provides the elaboration of 800 business plans of seven European countries.

The developments in the ICT sector and communication theories have created innovative opportunities to improve acquisition results of notions and to reduce the cost of education. The constructivist approaches that use active learning, supported by online learning, have consistently shown positive results.

In this sense, a modern approach is characterised by the Flipped Classroom class or upside down. The Flipped Classroom refers to a form of a hybrid learning which reverses the traditional teaching system characterised by lectures. In the approach Flipped Classroom offering educational content takes place outside regular lessons using online distribution methods. Content can be followed on any device (PC, tablet, smartphone), anywhere and without fixed hours. The time spent in class is reduced and so is used by students and by the teacher to carry out collaborative and interactive activities related to materials distributed to develop critical thinking. This methodology, learned at UFL was extensively explained during many workshops carried out with Prof. Fedro Zazueta, UFL around the world.

RESEARCH PROJECTS COLLABORATION

2017-2019

EU Erasmus+ sector alliance – PLANET – Plan For Agriculture Renewable Energy Training

2016-2018

EU Erasmus+ strategic partnership – ESCAPE – Enhance Sales capacity for Agro Food Products in Europe

2015-2018

EU Erasmus+ strategic partnership – Food for Growth - Increase key skills in communication and responsibility for the growth of Agro Food

2015-2017	EU Erasmus+ FOODLAB-European Food business Transfer Laboratory for stimulating entrepreneurial skills, for fostering innovation and for business creation in the Food Sector
2014-2016	EU IEE/10 – BIOGAS3, Sustainable Small-scale biogas production from agro-food waste for energy Self-sufficiency
2014-2016	EU IEE/10 - BioEnergy Farm II, manure, the sustainable fuel for the farm
2014-2015	POR FESR AGRORES2VALUE, valorisation of corn stover for energy and biofuels production
2013-2015	EU CIP ECO-INNOVATION, Digesmart, DIGESstate from MAnure Recycling Technologies
2013-2014	Misura 124 PSR GREENDRY, low-temperature drying for energy saving in corn production
2012-2014	POR FESR On-Biosost, Applicazioni on-line per la sostenibilità delle filiere biodiesel e biogas
2011-2013	POR FESR Go.Arundo, Optimized management of biomass production chain for Arundo donax
2011-2013	POR FESR BIRS OASIS, Realization of an innovative integrated system of field technologies, hardware and software for optimising the management of nutrition and irrigation plants and the eco-oriented support of crops with biodegradable materials and complete metabolization by the rhizosphere
2011-2013	POR FESR Zero-emission, Production and storage of onion and potato for zero emissions, including optimising the use of water resources
2010-2013	EU IEE/09/637 – BioEnergy Farm, Implementation plan for Bio–Energy farm
2008-2010	University funds, Optimizing the exploitation of resources in the field and logistical operations.
2008-2010	PSR, Optimization of logistics and information flow– Horticultural district, Alessandria
2007-2008	PSR, Optimizing the logistics of collection sites and transportation of biomass and waste
2005-2009	MIUR 60%, Development of a simulation model to optimise the logistics of collecting and rice transport operations
2002-2005	CIPE, Fruit and vegetable chain: food safety and quality management in the phase of post-harvest

PRESENTATION AT INTERNATIONAL CONFERENCES

2017	11th International European Forum on System Dynamics and Innovation in Food Networks, Innsbruck-Igls, Austria, 13-17 February CIOSTA, Research and Innovation for the Sustainable and Safe Management of Agricultural and Forestry Systems Palermo, Italy, 13-15 June Participation in Future Energy Expo, Astana, Kazakhstan, 18-25 June EFITA CIGR VII WCCA Conference, Montpellier, France 3-5 July AIIA Agricultural Engineering National Conference, Bari (Italy), 6-8 July ASABE International Meeting, Spokane, WA, USA 16-19 July FOOD2030 Conference, Brussels, 16 October
2016	MECHTECH, Alghero, Italy, 29 May-1 June WCCA AFITA 2016, Suncheon, Korea, 21-24 June CIGR-AgEng2016, Aarhus, Denmark, 26-30 June ASABE Annual International Meeting, Orlando, Florida, USA, 17-20 July 30th EFFoST International Conference, Vienna, Austria, 28-30 November
2015	9th International European Forum on System Dynamics and Innovation in Food Networks, Innsbruck-Igls, Austria, 9-13 February XXXVI CIOSTA & CIGR Section V Conference 2015, St Petersburg, Russia, 26-28 May ASABE Meeting, New Orleans, 26-29 July CIGR V SHWA, Lodi, 8-9 September HAICTA, Kavala, Greece, 17-20 September 29th EFFoST International Conference, Athens, Greece, 10-12 November
2014	XVIII CIGR World Congress, Beijing, China, 16-19 September WCCA, 2014, San José, Costa Rica, 27-30 July 1st Silobag conference, Mar del Plata, Argentina, October 13-16
2013	EFITA Conference, Torino, Italia, 24-27 June ASABE Annual International Meeting, Kansas City, July 21-24 AIIA, Viterbo, Italia, 9-11 Settembre
2012	20 th Biomass Conference, Milano, Italy, 18-22 June ASABE Annual International Meeting, Dallas, TX, USA, 29 July-1 August CIGR-AgEng2012, Valencia, Spain, 16-19 September

- SHWA, International Conference on Safety, Health and Welfare in Agriculture and Agro – food Systems, Ragusa, Italy, 3-6 September
- 2011 19 th Biomass Conference, Berlin, Germany, 6-10 June.
XXXIV CIOSTA-CIGR V, Wien, Austria, 29 June-1 July
ASABE Annual International Meeting, Louisville, KY, USA, 7-10 August
mid-term conference of the Association of Agricultural Engineering Italian, Belgirate, Italia, 22-24 September
- 2010 VII CIGR Congress, Sustainable biosystems through engineering, Quebec City, Canada, 13-17 June
ASABE, Annual International Meeting, Pittsburg, PA, USA, 20-23 June
Eurageng 2010, Clermont Ferrand, France, 6-8 September
Work Safety and Risk Prevention in Agro-food and Forest Systems, Ragusa, Italy, 16-18 September
- 2009 3rd International European Forum on System Dynamics and Innovation in Food Networks, Innsbruck-Igls, Austria, 16-20 February
Contribution of logistics and mechanisation for the competitiveness of the agricultural sector
Accademia dei Georgofili, sezione Nord-Ovest, Alessandria, Italia, 27 February
XXXIII CIOSTA-CIGR V Technology and management to ensure sustainable agriculture, agro-systems, forestry and safety, Reggio Calabria, Italia, 17-19 June
ASABE/WCCA Annual International Meeting, Reno, NV, USA, 21-24 June
EFITA-Joint international Agricultural Conference, Wageningen, Nederland, 6-9 July
IX Convegno Nazionale dell'Associazione Italiana di Ingegneria Agraria, Ischia Porto, Italia, 12-16 settembre
ASABE, Bioenergy Engineering 2009 conference, Bellevue, WA, USA, 10-16 October.
- 2008 Land Technik AgEng VDI-MEG, Hannover, Germany, 6-7 November
16 th Biomass Conference, Valencia, Spain, 3-7 June
Model-It IV International Symposium on Applications of Modelling as an Innovative Technology in the Agri-Food Chain, Madrid, Spain, 9-11 June
AgEng 2008 Conference, Hersonissos, Crete, 23-25 June
ASABE Annual International Meeting, Rhode Island, MA, USA, 29 June-2 July
CIGR International Conference of Agricultural Engineering, Iguassu Falls City, 31 Aug-4 September
Innovation Technology to Empower Safety, Health and Welfare in Agriculture and Agro-Food Systems, Ragusa, Italy, 15-17 September
2nd International European Forum on System Dynamics and Innovation in Food Networks, Innsbruck-Igls, Austria, 18-22 February
- 2007 15th European Biomass Conference, Berlin, Germany, 7-11 May
4th Temperate Rice Conference, Novara, Italia, 25-28 June
5th Efito-WCCA Conference, Glasgow, UK, 2-5 July
Tecnologie innovative nelle filiere: orticola, vitivinicola e olivicolo-olearia-Convegno Nazionale III, V e VI Sezione A.I.I.A., Volterra, Italia, 5-7 Settembre
XXXII CIOSTA CIGR V Labour and Machinery Management for a Profitable Agriculture and Forestry, Nitra, Slovakia, 23-25 September
Greensys 2007, International symposium on high technology for greenhouse system management, 4-6 October
- 2006 4th World Congress on Computers in Agriculture, Lake Buena Vista, Florida, USA, 24-26 July
XVI CIGR-EurAgEng. Agricultural Engineering for a Better World, Bonn, Germany, 3-6 September

TEACHING

Classes, lessons, seminars

Academic year	2016/2017
• School	University of Florida, Gainesville, FL, USA
• Class type	Graduate Online Course
• Course	ABE 6933: Logistics of Agricultural Food Chain, syllabus available http://abe.ufl.edu/academics/course-listings/graduate/ABE6933%20Food%20Chains.shtml
Hours	24
Academic year	2016/2017
• School	Master in food science and technology
• Class type	Flipped Classroom
• Course	AGR0289: logistics of agrifood chains
Academic year	2015/2016
• School	Master in food science and technology
• Class type	Flipped Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	80
• School	Bachelor in food science and technology
• Class type	Traditional Classroom
• Course	AGR0237: machines for food industry and catering
Hours	80
• Academic year	2014/2015
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	82
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	84
Academic year	2013/2014
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	80
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	84
Academic year	2012/2013
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains

Hours	80
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	88
Academic year	2011/2012
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	58
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	78
Academic year	2010/2011
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	58
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	88
• School	Master In Agroecology
• Class type	Traditional Classroom
• Course	Simulation models for agricultural operations
Hours	30
Academic year	2009/2010
• School	Master in food science and technology
• Class type	Traditional Classroom
• Course	AGR0289: logistics of agrifood chains
Hours	54
• School	Bachelor in food science and technology
• Class type	Traditional
• Course	AGR0237: machines for food industry and catering
Hours	88
• School	Master In Agroecology
• Class type	Traditional Classroom
• Course	Simulation models for agricultural operations
Hours	28
• School	Bachelor in Viticulture and Oenology
• Class type	Traditional classroom
• Course	Machinery and plant for wine technology
Hours	30
Academic year	2008/2009
• School	Master in food science and technology

- Class type Traditional Classroom
- Course AGR0289: logistics of agrifood chains
- Hours 50

- School Bachelor in food science and technology
- Class type Traditional
- Course AGR0237: machines for food industry and catering
- Hours 40

- School Master In Agroecology
- Class type Traditional Classroom
- Course Simulation models for agricultural operations
- Hours 26

- School Bachelor in Viticulture and Oenology
- Class type Traditional classroom
- Course Machinery and plant for wine technology
- Hours 33

- Academic year 2007/2008
- School Master in food science and technology
- Class type Traditional Classroom
- Course AGR0289: logistics of agrifood chains
- Hours 52

- School Bachelor in food science and technology
- Class type Traditional
- Course AGR0237: machines for food industry and catering
- Hours 36

- School Master In Agroecology
- Class type Traditional Classroom
- Course Simulation models for agricultural operations
- Hours 34

- School Bachelor in Viticulture and Oenology
- Class type Traditional classroom
- Course Machinery and plant for wine technology
- Hours 36

- Academic year 2006/2007
- School Master in food science and technology
- Class type Traditional Classroom
- Course AGR0289: logistics of agrifood chains
- Hours 48

- School Bachelor in food science and technology
- Class type Traditional
- Course AGR0237: machines for food industry and catering
- Hours 32

- School Master In Agroecology
- Class type Traditional Classroom
- Course Simulation models for agricultural operations
- Hours 32

- School Bachelor in Viticulture and Oenology

- Class type Traditional classroom
- Course Machinery and plant for wine technology
- Hours 27

Master thesis Follow, as a major professors, the following MS thesis:

- Student name Fabio Landorno
Thesis title "Use of models for optimising the logistics of rice straw for energy recovery" – master in Agroecology
- Student name Enrico Cavallero
Thesis title "Analysis of logistics of the horticultural district." – Master in food and technology sciences
- Student name Riccardo Pedroni
Thesis title "Development of simulation models for optimising the scheduling of orders. A practical example: Eataly" – Master in food and technology sciences
- Student name Paolo Barchiesi
Thesis title "Logistic optimisation of onion and potato production" – Master in food and technology sciences
- Student name Stefano Palumbo
Thesis title "Lean thinking for agrifood chains" – Master in food and technology sciences
- Student name Lorenzo Venudo
Thesis title "Models to exploit agrifood wastes at agrifood companies" Master in food and technology sciences

Bachelor level thesis Participate as major professor to the following thesis of the Bachelor level

- Student name Guido Santimone
Thesis title "fuel consumption for soil tillage" – Agricultural Sciences and Technologies
- Student name Francesco De Pace
Thesis title "Energy balance of organic agriculture" – Agricultural Sciences and Technologies
- Student name Andrea Carroccio
Thesis title "Energy balance of biomass crops" – Agricultural Sciences and Technologies

INTERNATIONAL AWARDS

- September 2014 Merit Award -CIGR International Commission of Agricultural and Biosystem Engineering - section VII – Information technology.
- September 2013 "INFITA Outstanding Leadership Award" for their efforts in organizing the conference EFITA / CIGR / WCCA 2013 and achievements in promoting the use of information technology in agriculture.
- July 2017 Blue Ribbon award for "Innovative Extension Methods of Impact Assessment" from ASABE

EDITOR

- From 2010 to 2014 Associate editor of section V - Management, System Engineering and ergonomics of Journal of CIGR -International Commission of Agricultural and Biosystem Engineering
- September 2015 Guest Editor JSAMI

KEYNOTE SPEAKING

November 2017	Workshop on flipped classroom – Albacete (Spain)
July 2017	Workshop on flipped classroom - ASABE Spokane (USA)
July 2017	Workshop on flipped classroom – EFITA Montpellier (France)
June 2017	Workshop on flipped classroom – CIGR V Conference, Palermo (Italy)
June 2017	Keynote speech on flipped classroom – Global Initiative – CIGR V - CIOSTA Conference, Palermo (Italy)
November 2016	Workshop on flipped classroom – Nagoya and Tokio University (Japan)
July 2016	Workshop on flipped classroom - ASABE Orlando (USA)
June 2016	Workshop on flipped classroom – Aarhus Eurageng (Danimarca)
June 2016	Workshop on flipped classroom – Suncheon (Korea)
May 2016	Workshop on flipped classroom – National conference AIIA Alghero (Italia)
September 2015	Keynote speaking at international SHWA – Lodi (Italy)
July 2015	Workshop on flipped classroom - convegno ASABE New Orleans (USA)
June 2015	Workshop on flipped classroom – EFITA Poznam (Poland)
May 2015	Keynote speaking al CIGR V - CIOSTA 2015 – st. Petersburg (Russia)
October 2014	Keynote speaking. 1st international conference of grain storage in Silobags 2014, Mar del Plata, Argentina.
July 2014	Workshop “Logistic modelling and information technology”, Conference CIGR VII WCCA 2014, San José, Costa Rica
October 2009	Workshop “Feedstock Supply Logistics”, Conference ASABE “, Bioenergy Engineering 2009”, Bellevue, WA, USA

MEMBERSHIP, CHAIR, OTHER TITLES

June 2015-July 2017	President EFITA (European Federation of Information Technology for Agriculture) 2015-2017
June 2013 to date	UNITO Representative within the CLAN – National Cluster of Agrifood Industries and research centres
July 2012 - current	Founder and Chair Working Group Logistic CIGR - International Commission of Agricultural and Biosystem Engineering, website available http://www.cigr-logistics.org
January 2015 to date	Chair of Section V of CIGR
January 2010 to date	Vice-Chair of Section V - Italian Association of Agricultural Engineers
January 2011 to 2014	Vice-Chair of Section V - CIGR
February 1996 to current	Member of American Society of Agricultural and Biological Engineers – ASABE
May 2008 to current	Member of Accademia dei Georgofili, Firenze, Italy
June 1995 to current	Member of AIIA, Italian Association of Agricultural Engineers, Italy

VISITING PROFESSOR

July 2016	Prof. Fedro Zazueta, UFL, FL, USA
July 2014	Prof. Fedro Zazueta, UFL, FL, USA
July 2013	Prof. Dirk Maier, Kansas State University, KS, USA
July 2012	Prof. Fouad Jaber, Texas A&M University, Dallas, TX, USA
August 2011	Prof. Bernard Engel, Purdue University, West Lafayette, IN, USA
June 2010	Prof. Francesco Braga, Dept. of Business, University of Guelph, Canada
October 2009	Prof. Shahab Sokhansanj, University of British Columbia, Vancouver, Canada
June 2009	Prof. Stephen Searcy, Texas A&M University, College Station, TX, USA
August 2006	Prof. Don Jones, Purdue University, West Lafayette Campus, IN, USA

Authorize treatment of my personal data, D.lgs. 196 del 30 giugno 2003

Data _____06/11/2017_____

Firma

A handwritten signature in black ink, appearing to read 'R. Berruto', written in a cursive style.