



Wolfram Sparber

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Personal data

- Born in Bolzano – Italy, July 14th, 1976
- Nationality Italian
- Language skills: German and Italian (mother tongues), English and Spanish (fluent), modern Greek (basic)

Professional experience and education

Wolfram Sparber is **Head of the Institute for Renewable Energy** at EURAC research since its foundation in 2005. He is responsible for the startup and the stepwise development and growth of the Institute. The Institute included 2016 five research groups and around 80 collaborators. The Institutes activities are focused in the field of application of solar energy systems and energy efficiency measures within buildings and cities.

In these fields Wolfram Sparber is involved in **international activities** and **member of several committees and councils**. Since 2011 he is **Vice President of the Board** of the European Technology Platform Renewable Heating and Cooling.

Since January 2016 Wolfram Sparber is **chairman of the executive board** of Alperia spa. Alperia spa is a company which arose from the merging of the two regional energy utilities SEL spa and AEW spa. From November 2011 till December 2015 Wolfram Sparber was chairman of the board of administration of SEL spa and of several daughter companies.

Alperia is a regional energy utility being active in the field of energy production, distribution, trading and district heating. Alperia has a strong focus on sustainable development. The electricity production is mainly based on hydropower, including minor PV and biomass power plants, while heat production is

based on waste heat, biomass and natural gas cogeneration. Alperia included 2016 40 daughter companies, around 1000 collaborators and had revenues of over 1 billion €.

In the recent years Wolfram Sparber contributed to the elaboration of **several strategic research and technology development documents** and was active as **visiting professor** in Universities in Italy, Japan and Netherlands.

Wolfram Sparber studied Applied Physics at [Graz University of Technology](#) (Austria) and [Universitat Autònoma de Barcelona](#) (Spain). He concluded his studies in 2003 at [Fraunhofer Institute for Solar Energy Systems \(ISE\)](#), Freiburg (Germany) where he continued to work afterwards as researcher and technical project manager.

Since working in management positions, he continuously invested in specific further education with different business schools such as [Stanford Graduate School of Business](#) (California) and [Malik Management Zentrum St. Gallen](#) (Switzerland).

Membership in committees and delegations

- Vice President (since October 2011) and Member of the Board (since October 2009) of the [European Technology and Innovation Platform for Renewable Heating and Cooling](#), Chairman of the cross cutting panel in this platform and leader of the focus group "[Hybrid systems for heating and cooling](#)"
- Member of the "Action Group 9 – Energy" on behalf of the Italian Ministry of Environment and the Protection of Land and Sea within the Alpine macro regional strategy EUSALP, since 2016
- Coordinator of Italian Delegation within the [Alpine Energy Platform](#) of the Alpine Convention, 2013-2015
- Member of [Nanjing Mayor's Consultative Roundtable](#) Delegation, Nanjing, China, September 2014

W. Sparber supported in the past years the evaluation process of submitted articles in scientific journals as member of the evaluation committee or associated editor. Among other, for the

- [British Journal of Renewable Energy \(BJRE\)](#), MEAS Publishing, Editorial Committee Member since 2015
- [Journal of Fundamentals of Renewable Energy and Applications \(JFREAA\)](#), Omics Publishing, P-ISSN 2090-4533, Associated Editor since 2010
- Journal "[Solar Energy](#)", Elsevier Publishing, P-ISSN: 0038-092X, Official Journal of the International Solar Energy Society
- Journal "[Environmental Science & Technology Manuscript](#)", ACS Publishing, P-ISSN: 0013-936X

W. Sparber supported in past years the evaluation process of submitted conference contributions in several conferences as a member of the scientific committee. Among other, for

- Gleisdorf Solar, International Conference for Solar Heating and Cooling, AEE Intec, Gleisdorf - Austria 2012, 2014, 2016
- Advanced building skins, International Conference, Bern – Switzerland, 2015, 2016
- International Solar Energy Society - Solar World Congress, Kassel - Germany, August, 2011; Cancun – Mexico 2013
- International Conference on Solar Heating and Cooling of buildings and industry - SHC 2013, Freiburg - Germany, 2013
- International Conference on Solar Heating, Cooling and Buildings - EUROSUN; Graz - Austria 2010, Lisbon – Portugal 2008;
- Energy Forum on Solar Architecture and Urban Planning, Bressanone - Italy, 2009-2014
- International Multi-Conference on Engineering and Technological Innovation: IMETI, Orlando - Florida, USA, 2009 and 2010

Further membership in committees

- President of the jury of the "KlimaEnergy Award", fiera KLIMAENERGY, Bolzano - Italy, 2008 - 2015
- Vice chairman of the Technical Committee higher education of the International Solar Energy Society - German Section, from 2009 till 2011
- Member of the evaluation committee of research projects in the field of solar energy and buildings on behalf of national science agencies in Europe and North America since 2009
- Member of the evaluation committee of PhD thesis's among other for Politecnico di Milano, Milano - Italy, Indian Institute of Technology, New Delhi - India, Anna University, Chennai – India
- Member of the commission of the "Concorso nazionale energia sostenibile nelle città - Ministero dell'Ambiente - Istituto Nazionale di Urbanistica", Milan - Italy, October 2008

Selected activities as visiting professor:

- Erasmus University Rotterdam - Netherlands, Institute for Housing and Urban Development Studies (Post Graduate Course Green Cities for Eco Efficiency, 2015)
- Free University of Bolzano - Italy (Master CasaClima, 2006-2011)
- Ritsumeikan Asia Pacific University - Japan (Dual Master International Material flow Management IMAT, 2010)
- Politecnico di Milano - Italy (Technical course "Photovoltaics", 2009-2010)

Responsible for lessons in the field of sustainable energy systems, solar heating and cooling, solar photovoltaic systems.

Contribution to strategic documents, books and peer reviewed scientific journals

- M.G. Prina, M. Cozzini, G. Garegnani, D. Moser, U.F. Oberegger, R. Vaccaro, W. Sparber "Smart energy systems applied at urban level: the case of the municipality of Bressanone-Brixen", International Journal of Sustainable Energy Planning and Management, Vol. 10, pp. 33-52, May 2016
- S. Pezzutto, R. Fazeli, M. De Felice and W. Sparber "Future development of the air-conditioning market in Europe: an outlook until 2020", WIREs Energy Environment, April 2016
- R. Bointner, S. Pezzutto, W. Sparber, "Scenarios of public energy research and development expenditures: financing energy innovation in Europe", WIREs Energy and Environment, February 2016
- Contribution to the elaboration of the book "Renewable Heating and Cooling. Technologies and applications" Editor: Gerhard Stryi-Hipp, ISBN: 9781782422136, pp. 181-195 , November 2015
- Contribution as supervisor and author to the book "Solar and Heat Pump Systems for Residential Buildings", Editor: Jean-Christophe Hadorn, Wiley, ISBN: 978-3-433-03040-0, August 2015
- G. Belluardo, P. Ingenhoven, W. Sparber, J. Wagner, P. Weihs, D. Moser „Novel method for the improvement in the evaluation of outdoor performance loss rate in different PV technologies and comparison with two other methods", Solar Energy, pp. 139-152, 16 May 2015
- L. Maturi, R. Lollini, D. Moser, W. Sparber, "Experimental investigation of a low cost passive strategy to improve the performance of Building Integrated Photovoltaic systems", Solar Energy, Vol. 111, pp. 288-296, January 2015
- Contribution to the "Strategic Energy Technology Plan Integrated Roadmap" European Commission Directorate General Energy and Directorate General Research and Development, 2014
- P. Ingenhoven, G. Belluardo, D. Moser, W. Sparber, "Sun Tracker Performance Analysis for Different Solar Module Technologies in an Alpine Environment", Journal of Solar Energy Engineering, 136(3), 031005, January 2014
- "Solar Potential in South Tirol - Intelligent use of spaces", D. Moser, M. Del Buono, W. Sparber, R. Vaccaro, D. Vettorato, published by Eurac, commissioned by The Autonomous Province of Bolzano, Bolzano 2014

Contribution to the following strategic vision and technology documents elaborated within the EU Technology Platform Renewable Heating and Cooling:

- Common Implementation Roadmap for Renewable Heating and Cooling Technologies, 2014
- Strategic Research and Innovation Agenda - Renewable Heating and Cooling, 2013

- Research Priorities for the Cross Cutting Technology Panel, 2012
- Common Vision for the Renewable Heating and Cooling Sector in Europe - 2020-2030-2050, 2011

- Contribution to "Solar Cooling Handbook – A guide to solar assisted cooling and dehumidification processes", 3rd completely revised, Editors: H.-M. Henning, Mario Motta, Daniel Mugnier, Ambra, Austria, ISBN-13: 978-3990434383, September 2013
- Contribution as technical expert to "Weissbuch zur Energiewende - Schweiz" elaborated by Institut für Bau und Umwelt der Hochschule für Technik Rapperswil, 2012
- Contribution as member of the technical advisory group of experts for the Head of Renewable Energy Division of the International Energy Agency (IEA), to the elaboration of a "Technology Roadmap - Solar Heating and Cooling, 2020 - 2030 - 2050", 2011
- Contribution to the elaboration of Strategic Energy Action Plans for several communes, as for the city of Bolzano (2009, 2013) or the city of Bressanone (2013)

Selected invited speeches, conference and seminar contributions

- Improving the Financeability by Quantifying and Managing Technical Risks of PV Systems–Results of the European Research Project Solar Bankability
- Nearly Zero Energy Buildings – From a Niche to Mass Market
Invited speeches, 6th New Energy Forum (NEF) 2016, BIT Annual Low Carbon & Green Growth Earth Summit 2016, Goyang-si, South Korea, July 2016
- Development towards a smart city – Case study Bolzano. Activities within the demonstration project Sinfonia
Invited speech, Jornada Informativa en Sevilla sobre ciudades inteligentes, Seville, June 2016
- Smart communities: tecnologie per il turismo, la sostenibilità, la governance delle città
Panel debate, SMAU Padova 2016, Padova, Italy, March 2016
- Modular façade and refurbishment concepts
Invited speech, KlimaHaus Congress 2016 - Gestaltung & Funktion/Design e funzione, Klimahouse Exposition, Bolzano, January 2016
- Regional Stakeholder Workshop Smart Cities: opportunità nell'EUREGIO. Processi, tecnologie e strumenti finanziari / Smart Cities: Chancen in der EUREGIO. Prozesse, Technologien und Finanzwerkzeuge
Moderation of the workshop, in the frame of the fair "Klimahouse 2016", Klimahouse Exposition Bolzano, January 2016
- Heating and cooling for smart cities

Invited speech, SSPCR International Conference - Smart and Sustainable Planning for Cities and Regions 2015, Bolzano/Bozen, Italy, November 2015

- Eis-Energiespeicher: Energieversorgung der Zukunft
Participation at the expert meeting and panel discussion, Wolf System GmbH, Campo di Trens / Freienfeld (BZ), Italy, September 2015
- Renewable Energy – Green Energy in Regions,
Panel debate, European Congress of local Governments, Krakow, Poland, May 2015
- Solar Energy and Buildings: How to get the Buildings Stock more Sustainable,
Invited speech, New Energy Forum, Qingdao International Convention Center, Qingdao, China, September 2014
- Sinfonia – a demonstration project for renewable energy and energy efficiency implementation at urban scale,
Invited speech, PONTI – Business Development Platform between Italy and German speaking markets, , Merano (BZ), Italy, September 2014
- Energy Efficiency and EU Opportunities,
Invited speech, 1°Edizione della Settimana Italiana in Albania, Tirana, Albania, May 2014
- Cities and Energy Transition,
Invited speech, Rotary International, Rotary Club del Trentino-Alto Adige/Südtirol, Trento, Italy, April 2014
- Zukunftspotenziale gemeinsam nützen
Participation at the panel debate and meeting: Energieforum Alpenraum - Europäische Forum Alpbach, Munich, Germany, February 2014
- Heat Pumps and Solar Energy,
Invited Speech at the Meeting of Department 8 “Electric Heat Pumps” of the European Heating Industry Association EHI, Belgium, Brussels, September 2013
- Piattaforma Energia della Convenzione delle Alpi l’utilizzo delle biomasse nel panorama energetico nazionale e nella Regione Alpina,
Invited speech, Convenzione delle Alpi - Fiera Klimaenergy – Bolzano, Italy, September 2013
- A future proof vision for heat
Panel debate at the seminar “A heat action for 2030 and beyond”, organized by COGEN Europe, Euro Heat and Power and Heat Coalition, Sustainable Energy Week, Brussels, June 2013
- Hybrid Systems and Heat Pumps
Introduction presentation and discussion moderation, Fourth Annual Conference of the European Technology Platform Renewable Heating and Cooling, Dublin - Ireland, April 2013
- Renewable Energy Implementation, Example of Italy and an Italian Mountain Region
Invited speech, World Alternative Energy Forum, Chiang Mai – Thailand, December 2012

- Opportunities and new developments in hybrid systems including solar thermal
Invited speech, Gleisdorf Solar, Internationale Konferenz für Solares Heizen und Kühlen, Gleisdorf – Austria, September 2012
- Strategic Research Priorities for Hybrid Systems
Conference contribution and panel debate, Third Annual Conference of the European Technology Platform Renewable Heating and Cooling, Copenhagen - Denmark, April 2012
- Development perspectives for the renewable heating and cooling sector
Invited speech, International Conference on Energy Security, Global Warming and Climate Change, SOLARIS 2012, Varanasi - India, February 2012
- Solar thermal Hybrid Systems, Technology Development and R&D needs
Invited speech, IEA - International Energy Agency, 3rd workshop - Global Solar Thermal Technology Roadmap, Beijing - China, November 2011
- Custom made systems for Solar Heating and Cooling - results and conclusions of the international perennial project IEA Task 38
Invited speech, International Workshop on “Key Technologies for Future Energy Systems - Solar Heating and Cooling and Energy Storage”, Rosenheim - Germany, November 2011
- Entwicklungen im Bereich elektrische und thermische Energieversorgung in Bozen
Invited speech, Energie Forum Innsbruck, Innsbruck - Austria, September 2011
- Come introdurre le energie rinnovabili per il riscaldamento e raffrescamento nei comuni
Conference contribution, Conferenza Internazionale - KlimaEnergy, Bolzano - Italy, September 2011
- Technology Outlook on Solar Thermal Hybrid Systems
Invited speech, 2nd Workshop of the expert group for the elaboration of the global IEA Technology Roadmap - Solar thermal Energy for Heating and Cooling, Kassel - Germany, August 2011
- Cooperation possibilities with R&D Institutions in Northern Italy
Seminar contribution, Deutsch-Italienisches Forum Solarenergie. Die Zukunft der Solarbranche in Italien. München - Germany, June 2011
- Research priorities for small scale hybrid renewable energy systems
Conference contribution, Second Annual Conference of the European Technology Platform Renewable Heating and Cooling, Budapest - Hungary, April 2011
- Wärme- und Stromversorgung in Europa: Welche Veränderungen sind notwendig wenn diese weitgehend erneuerbar gestaltet werden soll?
Invited speech, Jahresversammlung des Raiffeisen Energie Verband, Bolzano - Italy, April 2011
- Überblick zu den Entwicklungen im Bereich Solarthermische Kühlsysteme in Europa
Invited speech, Kälteforum 2011, Kostensenkung und Klimaschutz in der Kältetechnik, Bolzano - Italy, March 2011

- Review on existing solar assisted heating and cooling installations
Invited speech, International Seminar Solar Air Conditioning, experiences and practical application, organized by Otti in the frame of the Intersolar fair, Munich - Germany, June 2010
- European and regional framework conditions for future thermal energy systems
Seminar contribution, In case of sun - Seminar organized within the framework of the kick off meeting of the SHC Task 44 - Solar plus heat pumps systems - under the umbrella of the International Energy Agency, Bolzano - Italy, April 2010
- Bolzano in cammino verso la città CO2-neutrale
Seminar contribution, Per un Clima migliore - Il clima in comune, Convegno sulle emissioni di CO2 e possibili attività per diminuirle, Bolzano - Italy, April 2010
- Small-scale solar heating and cooling applications: Assessment of standard configurations within the Solar Combi+ Project
Conference contribution, First Annual Conference of the European Technology Platform on Renewable Heating and Cooling; Bilbao - Spain, February 2010
- Review of Installed Solar Cooling Systems in Europe
Invited speech, Task 38 - Solar Air-Conditioning and Refrigeration Workshop within the International Heating, Air Conditioning and Refrigeration Exposition, Orlando Exposition Centre - Florida, USA, January 2010
- CasaNova - A low energy quarter
Invited speech, International Brokerage Event on Energy Research and the 7th Framework Program Fondazione Bruno Kessler, Trento, November 2009
- Energieeffizienz und -einsparpotentiale als Grundlage für eine Energieautarke Region
Invited speech, Internationale Konferenz „Energie autarker Vinschgau, Utopie oder Vision“, Prad am Stilfersjoch, October 2009
- Aktuelle Entwicklungen von solarthermischen Kühlsystemen
Invited speech, 5. Solartagung Rheinland-Pfalz, Umweltcampus Birkenfeld, September 2009
- Sustainable urban environment - Performance monitoring of the city quarter Casanova
Seminar contributions, 1st European Future Energy Forum, Bilbao, June 2009
- The role of local authorities in boosting energy efficiency and renewable energies
Invited speech, International Conference, Mountains: energy, water and food for life; The SHARE project: understanding the impacts of climate change, CNR, EV2K, UNEP, UN FAO, Milan, June 2009
- Higher education and market development of Renewable Energies in Italy
Seminar contribution, 5. Jahrestreffen Fachausschuss Deutsche Gesellschaft für Sonnenenergie, Rosenheim, March 2009
- Energy efficiency in buildings and integrated active solar elements - the role of roofing structures for integrated energy solutions
Invited speech, Waterproof Membranes Conference, Cologne, Novembre 2008

- Renewable Energy Development in an Alpine Regione - Example of South Tyrol
Invited speech, United Nations Industrial Development Organisation, Energy Strategy Regional Workshop, Ukraine - Lviv, May 2008
- Planning and design of solar cooling systems experience of realized systems
Invited speech, Conferenza Internazionale SOLAREXPO, Verona, May 2008
- CoPES: a Competence Center for Solar Energy in Northern Italy
Conference contribution, Open Days in Brussels, October 2007
- New Buildings with high Solar fraction
Conference contribution, 3rd European solar Thermal Energy Conference (ESTEC), Freiburg, June 2007
- Sistemi solari attivi, possibilità e limiti, esperienza e ricerca
Invited speech, SaieDue, International Exhibition on architecture, interior finishing's, building renewal and technologies, Bologna, March 2007
- Sostenibilità nella provincia di Bolzano con un esempio di un quartiere in fase di realizzazione
Invited speech, Sustainable Energy Europe Campaign in Italy, Ministry of Environment and Territory of Italy, Rome, September 2006
- Protocollo di attuazione della Convenzione delle Alpi nell'ambito dell'energia, principi - attuazione - esempi
Invited speech, "Sharing the experience - Capacity Building on Legal Instruments for the Protection and Sustainable Development of Mountainous Regions in South Eastern Europe", UNEP, Ministry of Environment and Territory of Italy, Bolzano, December 2005
- Entwicklungspotentiale von Photovoltaik und Solarenergie in Italien mit Fokus auf die Autonome Provinz Bozen
Invited speech, 1. Internationale Plattformkonferenz, Photovoltaik und Solarenergie, Pinkafeld, November 2005
- L'esperienza dell'Alto Adige: Le potenzialità della Valle Bormida nel campo delle energie rinnovabili
Invited speech, Conferenza regionale "Le energie rinnovabili in alternativa ai combustibili fossili, nuove prospettive per la Valle Bormida", Valle Bormida, Luglio 2005
- L'uso delle fonti di energia rinnovabile in Alto Adige
Invited speech, Istituto Internazionale di Ricerca, Milano, Giugno 2005
- Energie Rinnovabili: fotovoltaico e architettura. Applicazioni in facciata
Invited speech, Conferenza sull'edilizia sostenibile nell'arco di "Vivere in classe A", MISE ARCHinNOVA, Ravenna, Maggio 2005
- Building Integrated Photovoltaics
Invited speech, KlimaHouse Conference, Bolzano, February 2005

Scientific contributions to international conferences with publication in the conference proceedings

- G. Garegnani, R. Vaccaro, M. G. Prina, D. Moser, D. Vettorato, W. Sparber, Renewable energy source availability and energy system modelling
Smart Energy Regions International Conference,
Cardiff, United Kingdom, February 2016
- M. G. Prina, M. Cozzini, G. Garegnani, D. Moser, U. Filippi Oberegger, R. Vaccaro, W. Sparber, Smart energy systems applied at urban level: the case of the municipality of Bressanone-Brixen,
International Conference on Smart Energy Systems and 4th generation district heating,
Copenhagen, Denmark, August 2015
- M. G. Prina, G. Garegnani, M. Gazzani, G. Manzolini, D. Moser, U. Filippi Oberegger, R. Vaccaro, W. Sparber, Economic and environmental impact of photovoltaic and wind energy high penetration towards the achievement of the Italian 20-20-20 targets,
EVER Monaco 2015, Munich, Germany, March 2015
- S. Pezzutto, W. Sparber, R. Fedrizzi
Analysis of the space heating and cooling market in Europe
3rd international PhD-Day of the AAEE student Chapter, Linz, Austria, April 2014
- D. Moser, D. Vettorato, R. Vaccaro, M. Del Buono, W. Sparber, The PV potential of South Tyrol: an Intelligent Use of Space,
Solar World Congress 2013, Cancun, Mexico, November 2013
- S. Pezzutto, W. Sparber, 20-20-20 targets contribution and EU R&D funding for renewable heating and cooling, 2nd
international PhD-Day of the AAEE student Chapter, Wien, Austria, March 2013
- S. Pezzutto, W. Sparber, R. Fedrizzi
Assessment of energy savings potential and EU funding for heating and cooling
Renewable Energy World Europe Conference and Expo, Cologne, June 2012
- C. Dipasquale, G. Ferruzzi, R. Fedrizzi, W. Sparber, M. De Lucia, D. Fissi, O. Hallstrom, G. Toniato, L. Zampieri
Design and Characterization of a Solar Combi+ Systems in a Passive House
5th European Solar Thermal Energy Conference, ESTEC, Marseille, October 2011
- M. D'Antoni, D. Bettoni, R. Fedrizzi, W. Sparber
Parametric analysis of a novel Solar Combi+ configuration for commercialization
4th International Conference Solar Air-Conditioning, Larnaka-Cyprus, October 2011
- L. Maturi, R. Lollini, P. Baldracchi, W. Sparber
Building skin as electricity source - the prototype of a wooden BIPV facade component
26th European Photovoltaic Solar Energy Conference and Exhibition, Hamburg, September 2011

- M. Nikolaeva-Dimitrova, L. Fanni, W. Sparber
8-months performance of thin film technologies during their first year at Bolzano Airport test installation, Italy
26th European Photovoltaic Solar Energy Conference and Exhibition, Hamburg, September 2011
- W. Sparber, K. Vajen, S. Herkel, J. Ruschenburg, A. Thür, R. Fedrizzi, M. D'Antoni
Overview on Solar Heat Pump Systems and Review of Monitoring Results
Solar World Kongress - International Solar Energy Society, Kassel, August 2011
- P. N. Melograno, R. Fedrizzi, W. Sparber, G. Franchini
Test Procedures for Sorption Chillers Based on the Working Mode
Eurosun - International Conference on Solar Heating, Cooling and Buildings, Graz, October 2011
- W. Sparber, A. Napolitano
Practical experience on design and sizing from worldwide documented solar cooling systems
Eurosun - Task 38, Graz, October 2010
- L. Maturi, W. Sparber, B. Kofler, W. Bresciani
Analysis and monitoring results of a BIPV system in northern Italy
25th European Photovoltaic Solar Energy Conference and Exhibition, Valencia, September 2010
- A. Colli, W. Sparber, M. Armani, B. Kofler, L. Maturi
Performance monitoring of different PV technologies at a PV field in northern Italy
25th European Photovoltaic Solar Energy Conference and Exhibition, Valencia, September 2010
- W. Sparber, A. Napolitano, F. Besana, A. Thür, B. Nocke, P. Finocchiaro, L. A. Bujedo Nieto, J. Rodriguez, T. Núñez
Comparative results of monitored solar assisted heating and cooling installations
3rd International Conference Solar Air-Conditioning, Palermo, October 2009
- A. Troi, M. Tribus, A. Costa, W. Haberer, D. Parisi, W. Sparber
Energetic refurbishment and architectural valorisation: The ex-Post Building in Bozen/Italy
Ökosan, Weiz, October 2009
- Y. Chen, W. Sparber, J. Rodriguez, A. Napolitano
Comparison of different solar assisted energy systems for a large scale office building
3rd International Conference Solar Air-Conditioning, Palermo, October 2009
- M. Castagna, A. Troi, Y. Schmitt, W. Sparber
CasaNova, a low energy quarter
PLEA - 25th Passive and Low Energy Architecture International Conference, Dublin, October 2008
- A. Giovanardi, A. Troi, W. Sparber, P. Baggio
Dynamic simulation of a passive house in different locations in Italy
PLEA - 25th Passive and Low Energy Architecture International Conference, Dublin, October 2008

- W. Sparber, A. Thuer, F. Besana, W. Streicher
Unified Monitoring Procedure and Performance Assessment for Solar Assisted Heating and Cooling Systems
EUROSUN 2008 - 1st International Conference on Solar Heating, Cooling and Buildings, Lisbon, October 2008
- A. Napolitano, G. Franchini, G. Nurzia, W. Sparber
Coupling Solar collectors and co-generation units in solar assisted heating and cooling systems
EUROSUN 2008 - 1st International Conference on Solar Heating, Cooling and Buildings, Lisbon, October 2008
- Y. Shmitt, M. Castagna, A. Troi, W. Sparber, L. Zampieri, G. Minotti, B. Gotter, G. Pichler
Energy performance of buildings in the autonomous province of South Tyrol, Italy
World Sustainable Building Conference, Melbourne, Australia, September 2008
- M. Armani, T. Mayr, M. Del Buono, W. Sparber, A. Parretta, A. Antonini, M. Butturi, M. Stefancich
Monitoring results and performance analysis in South Tyrol under the project CoPES
23rd European Photovoltaic Solar Energy Conference and Exhibition, Valencia, September 2008
- M. Del Buono, M. Armani, B. Pötz, D. Cattani, W. Sparber
Performance measurements and monitoring of shadow effects on PV Systems
23rd European Photovoltaic Solar Energy Conference and Exhibition, Valencia, September 2008
- W. Sparber, A. Troi, E. Wiemken, B. Nienborg, P. Melograno, J. Rodriguez, Y. Vougiouklakis, e. Korma, D. Mugnier, A. Thür, G. Franchini, B. Egilegor
Modeling of Solar Combi plus systems – Framework and hydraulic scheme proposals
9th International Symposium Gleisdorf Solar 2008, Gleisdorf, September 2008
- W. Sparber, A. Troi
Solar assisted thermal cooling - a hot topic for buildings and districts?
ICLEI European Climate Conference, Rovigo, April 2008
- A. Napolitano, W. Sparber
Overview of existing large scale solar cooling installations in Europe
Sustainable Cooling Systems TECHbase, Wien, March 2008
- W. Sparber, A. Napolitano, Y. Schmitt
Solares Kühlen & Heizen - aktueller Stand installierter Systeme großer Leistung und ein Ausblick auf neue Gebäude
Energy Forum - Solararchitektur & Solares Bauen, Brixen, Dezember 2007
- A. Troi, A. Napolitano, W. Sparber
Experiences with an innovative energy system: refurbishment and enlargement of a rationalist building in Italy to a solar active building
24th Conference on Passive and Low Energy Architecture - PLEA, Singapore, 22-24 November 2007

- W. Sparber, A. Napolitano, P. Melograno
Overview on world wide installed solar cooling systems
2nd International Conference Solar Air-Conditioning, Tarragona, October 2007
- W. Sparber, P. Melograno, A. Costa, J. Rodriguez
Test facility for solar-assisted heating and cooling Systems
2nd International Conference Solar Air-Conditioning, Tarragona, October 2007
- A. Napolitano, A. Troi, J. Rodriguez, W. Sparber
Monitoring activities for the optimization of a tri-generation plant including a solar thermal heating and cooling System
2nd International Conference Solar Air-Conditioning, Tarragona, October 2007
- W. Sparber, M. Armani
Cooperation schemes between SMEs and applied research Institutions: a regional PV development support program
22nd European Solar energy Conference and Exhibition, Milan, September 2007
- M. Armani, W. Sparber, A. Parretta, A. Antonini, M. Butturi, M. Stefancich
Performance Monitoring of different PV Systems installed in Northern Italy
22nd European Solar energy Conference and Exhibition, Milan, September 2007
- A. Troi, W. Sparber
Overview of Realized Passive Houses in South Tyrol / Italy and Trends
11th International Passive House Conference, Bregenz, April 2007
- Y. Schmitt, S. Dal Savio, W. Sparber
PaMo - Monitoring of a Passive House in South Tyrol, Italy
11th International Passive House Conference, Bregenz, April 2007
- W. Sparber, D. Reiterer, K. Dekas
Economic Analysis of a large scale PV-System in Italy: Participation Schemes and Investment Decision
21st European Photovoltaic Solar Energy Conference, Dresden, September 2006
- W. Sparber
Raffrescamento solare - Stato attuale, tecnologia e futuri sviluppi per l'Italia. "Dalla ricerca scientifica all'innovazione tecnologica: il ruolo della cultura scientifica nella società del futuro"
68ma riunione della Società Italiana per il Progresso della Scienza - SIPS, Trento / Bolzano, April 2006
- F. Besana, W. Sparber, A. Troi
Solar Combi-Plus System for residential and small commercial applications
World Sustainable Energy Days, Wells, March 2006
- A. Troi, H. Filippi, W. Sparber
Practical Experience with Solar-Assisted Cooling in an Office and Educational Building in South

Tyrol / Northern Italy

1st International Conference on Solar Air Conditioning, Germany, October 2005

- F. Besana, A. Troi, W. Sparber
Combi-system coupled with a small capacity absorption chiller
1st International Conference on Solar Air Conditioning, Germany, October 2005
- F. Gschnell, W. Sparber, H. Filippi
Renewable Energy in South Tyrol - Overview and presentation of the self sufficient community Verano
World sustainable Energy Days, Wells, March 2005
- J. Rentsch, W. Sparber, S. Peters, H. Neuhaus, S.W. Glunz, R. Preu, R. Lüdemann
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