

# Curriculum Vitae

## Personal information

First name / Surname **Antonio Pepe**  
Address 192, Giacomo Leopardi, 80125, Napoli, Italy  
Telephone(s) Mobile: +39-3280643283  
E-mail [pepe.a@irea.cnr.it](mailto:pepe.a@irea.cnr.it); [toninopepe74@tiscali.it](mailto:toninopepe74@tiscali.it)  
Nationality Italian  
Date of birth March 27, 1974

## Professional Experience

Date From September 1, 2009  
Occupation or position held Full Time Researcher in the Remote Sensing Field  
Main activities Study & Research Activities concerning the application of the Advanced Differential Interferometric SAR Techniques for the monitoring of Earth's surface deformation. A particular emphasis is done to the following issues: 1) Space-Time Phase unwrapping algorithms, 2) Integration of multi-sensor / multi-angle SAR data, 3) Development of Advanced Inversion Algorithms to retrieve the deformation information.

Name and address of employer IREA-CNR, 328, Diocleziano, 80125, Napoli, Italy  
Date From October 6, 2009 to December 18, 2009  
Occupation or position held Scientist Visitor  
Main activities Development of an advanced ScanSAR-to-Stripmap processor to retrieve deformation maps of the Kilauea area (Hawaii Island, USA)

Name and address of employer Jet Propulsion Laboratory (JPL), Pasadena (CA)  
Date From November 6, 2006 to August 31, 2009  
Occupation or position held Holder of a Temporary Research contract in the Remote Sensing Field  
Main activities Study & Research Activities concerning the application of the Advanced Differential Interferometric SAR Techniques for the monitoring of Earth's surface deformation. A particular emphasis is done to the following issues: 1) Space-Time Phase unwrapping algorithms, 2) Integration of multi-sensor / multi-angle SAR data, 3) Development of Advanced Inversion Algorithms to retrieve the deformation information.

Name and address of employer IREA-CNR, 328, Diocleziano, 80125, Napoli, Italy  
Date From November 1, 2003 to November 5, 2006  
Position Holder of a Grant for attending the PhD course in Electronic and Telecommunication Eng.  
Main activities Study and Research

Name and address of employer Università degli Studi di Napoli, Federico II  
Date From September, 2005 to December, 2005  
Position Visiting Researcher  
Main activities Study of the Temporal Behavior of the Surface Deformation of the Houston Area via the generation of interferometric deformation time series

Name and address of employer Austin, Texas (USA), Aerospace Eng. And Mechanics Eng. Department  
Date From December 1, 2001 to October 31, 2003  
Position Holder of an aid grant in the Remote Sensing field, and in particular to the Differential Synthetic Aperture Radar Technology  
Main activities Study and Research

Name and address of employer IREA-CNR, 328,Diocleziano,80125, Napoli, Italy

Date From August 3, 2000 to November 30, 2001

Position Full-Time Contract

Main activities As a Traffic Engineer, the main activities were relevant to the dimensioning and maintenance of Mobile Telecommunication Networks with an eye on the GPS/GPRS/UMTS systems.

Name and address of employer Wind s.p.a Telecomunicazioni

### Education and training

Dates February 11, 2007

Title of qualification awarded PhD degree in Electronic and Telecommunication Eng.

Principal subjects/occupational skills covered Remote Sensing, Synthetic Aperture Radar, Differential Interferometry Techniques, Electromagnetic and Telecommunication theories. Thesis Title: "Advanced Differential Interferometric SAR Techniques"

Name and type of organisation providing education and training Università degli Studi di Napoli, Federico II

Dates May 26, 2000

Title of qualification awarded Laurea Degree in Electronic Eng.

Principal subjects/occupational skills covered Remote Sensing, Synthetic Aperture Radar . Thesis Title "La missione spaziale Cassini"

Name and type of organisation providing education and training Università degli Studi di Napoli, Federico II

### Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

| Understanding |            |         |            | Speaking           |            |                   |            | Writing |            |
|---------------|------------|---------|------------|--------------------|------------|-------------------|------------|---------|------------|
| Listening     |            | Reading |            | Spoken interaction |            | Spoken production |            |         |            |
| B2(*)         | Good       | B2      | Good       | B2                 | Good       | B2                | Good       | B2      | Good       |
| A1            | Sufficient | A2      | Sufficient | A2                 | Sufficient | A2                | Sufficient | A2      | Sufficient |

(\*) Common European Framework of Reference for Languages

The grade of knowledge of the English Language is certified by the following attendance course certifications

- Upper Intermediate course, Central School of English, London from 12 November, 2007 to 23 November, 2007
- Upper Intermediate course, the British Council of Naples, from 07 February, 2008 al 29 May, 2008

- Lundgren, P., F. Casu, M. Manzo, A. Pepe, P. Berardino, E. Sansosti, and R. Lanari (2004), "Gravity and magma induced spreading of Mount Etna volcano revealed by satellite radar interferometry", *Geophys. Res. Lett.*, 31, L04602, doi: 10.1029/2003GL018736.
- Borgia, A., P. Tizzani, G. Solaro, M. Manzo, F. Casu, G. Luongo, A. Pepe, P. Berardino, G. Fornaro, E. Sansosti, G. P. Ricciardi, N. Fusi, G. Di Donna, R. Lanari (2005): "Volcanic spreading of Vesuvius, a new paradigm for interpreting its volcanic activity", *Geophys. Res. Lett.*, 32, L03303, doi:10.1029/2004GL022155.
- Michele Manunta, Antonio Pepe, Eugenio Sansosti, Riccardo Lanari: "On the Extension of the SBAS Technique for ERS/ENVISAT and Full Resolution Interferogram Processing", *Atti della "Fondazione Giorgio Ronchi" – Selected papers of GOLD IEEE Remote Sensing Conference, Anno LX, N. 4*, pp. 627-634, July-August, 2005.
- Antonio Pepe, Eugenio Sansosti, Paolo Berardino and Riccardo Lanari: "On the Generation of ERS/ENVISAT DInSAR Time-Series via the SBAS technique", *IEEE Geoscience and Remote Sensing Letters*, vol 2, numero 3, pp. 265-269, July 2005.
- Antonio Pepe and Riccardo Lanari: "On the extension of the Minimum Cost Flow Algorithm for Phase Unwrapping of Multi-temporal Differential SAR Interferograms" *IEEE Transactions on Geoscience and Remote Sensing*, vol. 44, n.9, pp. 2374-2383, September 2006.
- A. Perrone, G. Zeni, S. Piscitelli, A. Pepe, A. Loperte, V. Lapenna, R. Lanari: "Joint analysis of SAR Interferometry and Electrical Resistivity Tomography surveys for investigating ground deformations: the case-study of Satriano di Lucania (Potenza, Italy)", special issue of *Engineering Geology on "Remote sensing and ground-based geophysical techniques for recognition, characterisation and monitoring of unstable slopes*, 88(2006) pp. 260-273.
- R. Lanari, F. Casu, M. Manzo, G. Zeni, P. Berardino, M. Manunta, A. Pepe: "An overview of the Small Baseline Subset Algorithm: a DInSAR Technique for Surface Deformation Analysis", in *Pure And Applied Geophysics (PAGEOPH)*, vol. 164, 4, pp. 637-661, doi: 10.1007/s00024-007-0192-9.
- E. Trasatti, F. Casu, C. Giunchi, S. Pepe, G. Solaro, S. Tagliaventi, P. Berardino, M. Manzo, A. Pepe, G. P. Ricciardi, E. Sansosti, P. Tizzani, G. Zeni, and R. Lanari (2008), The 2004–2006 uplift episode at Campi Flegrei caldera (Italy): Constraints from SBAS-DInSAR ENVISAT data and Bayesian source inference, *Geophysical Research Letters*, vol. 35, L073078, doi:10.1029/2007GL033091.
- Casu, F., Manzo, M., Pepe, A., Lanari R. (2008), SBAS-DInSAR Analysis of Very Extended Areas: First Results on a 60,000 km<sup>2</sup> Test Site, *IEEE Geoscience and Remote Sensing Letters*, vol. 5, no. 3, doi:10.1109/LGRS.2008.916199.
- A. Pepe, M. Manzo, F. Casu, G. Solaro, P. Tizzani, G. Zeni, S. Pepe: " Surface Deformation of Active Volcanic Areas Retrieved with the SBAS-DInSAR Technique: an Overview", in stampa su *Annals of Geophysics [Paper #18-MGMEESV-CT-2006]*.
- J. Fernandez, P. Tizzani, M. Manzo, A. Borgia, P. J. Gonzales, J. Marti, A. Pepe, A. G. Camacho, F. Casu, P. Berardino, J. F. Prieto, R. Lanari (2009): "Gravity-driven deformation of Tenerife measured by InSAR time series analysis", *Geophysical Research Letters*, vol. 36, L04306, doi: 10.1029/2008GL036920.
- Guzzetti F., Manunta M., Ardizzone F., Pepe A., Cardinali M., Zeni G., Reichenbach P. & Lanari R. (2009) Analysis of ground deformation detected using the SBAS-DInSAR technique in Umbria, Central Italy. *Pure and Applied Geophysics*, Vol. 166, doi: 10.1007/s00024-009-0491-4.
- J. Hunstad, A. Pepe, S. Atzori, C. Tolomei, S. Salvi, and R. Lanari: "Surface deformation in the Abruzzi region, Central Italy, from multi-temporal DInSAR analysis", *Geophysical Journal International*
- Ruch, J., A. Manconi, G. Zeni, G. Solaro, A. Pepe, M. Shirzaei, T. R. Walter, and R. Lanari(2009), Stress transfer in the Lazufre volcanic area, central Andes, *Geophys.Res.Lett.*, 36, L22303, doi:10.1029/2009GL041276.
- L. D. Euillades, P. A. Euillades, A. Pepe, M. H. Blanco, J. H. Baron: "On the generation of late ERS deformation time-series through Small Doppler and Baseline Subsets Differential SAR Interferograms", *IEEE Geoscience and Remote Sensing Letters*, 2010 (accepted for publication)

- R. Lanari, O. Mora, M. Manunta, J. J. Mallorqui, P. Berardino, S. Guarino, G. Zeni, A. Pepe, E. Sansosti, "A differential SAR Interferometry Approach for Monitoring Urban Deformation Phenomena", Proc. Urban 2003, Berlin (Germany), 2003.
- P. Berardino, G. Fornaro, R. Lanari, M. Manunta, M. Manzo, A. Pepe and E. Sansosti: "A Two-Scale Differential SAR Interferometry Approach for Investigating Earth Surface Deformations", in Proc. IGARSS, Toulouse, France, July 2003, Vol. 2, pp. 1184 – 1186.
- S. Usai, E. Sansosti, L. Tampellini, S. Borgstrom, G. Ricciardi, J. Spaans, A. Pepe, S. Guarino, V. Maddalena, M. van Persie, P. Berardino, R. Lanari, G. Fornaro, F. M. Seifert. "Minerva: An InSAR Monitoring System For Volcanic Hazard" in Proc. IGARSS, Toulouse, France, July 2003, Vol. 2, pp. 1184 – 1186.
- M. L. Tampellini, S. Borgstrom, L. Cicero, R. Lanari, V. Maddalena, A. Pepe, G. P. Ricciardi, E. Sansosti, S. Usai, M. van Persie: "Minerva: An InSAR Monitoring System For Volcanic Hazard", in Proc. Fringe '03, ESRIN, Frascati (Italy), 1-5 dec. 2003.
- S. Usai, E. Sansosti, L. Tampellini, S. Borgstrom, G. Ricciardi, J. Spaans, A. Pepe, S. Guarino, V. Maddalena, M. van Persie, P. Berardino, R. Lanari, G. Fornaro, F. M. Seifert. "Minerva: An InSAR Monitoring System For Volcanic Hazard", in Geophysical Research Abstracts, Vol 5, 11061, 2003.
- Berardino P., Casu F., Fornaro G., Guarino S., Lanari R., Manunta M., Manzo M., Pepe A., Sansosti E., Zeni G.: "Satellite Radar Interferometry for Earth Surface Deformation Analysis", in New Technologies in Geophysics, Geomechanics and Volcanology, Napoli (Italy), 20 sept. 2003.
- Berardino P., Casu F., Fornaro G., Lanari R., Manunta M., Manzo M., Pepe A., Sansosti E.: "Small Baseline DIFSAR Techniques for Earth Surface Deformation Analysis", in Proc. Fringe '03, ESRIN, Frascati (Italy), 1-5 dec. 2003.
- P. Lundgren, F. Casu, M. Manzo, A. Pepe, P. Berardino, E. Sansosti, R. Lanari and P. Rosen: "ERS InSAR observations of Mt. Etna volcano: Magma inflation and radial spreading", in Proc. Fringe '03, ESRIN, Frascati (Italy), 1-5 dec. 2003.
- Salvi S., Ganas A., Stramondo S., Atzori S., Tolomei C., Pepe A., Manzo M., Casu F., Berardino P. & Lanari R. "Monitoring Long-Term Ground Deformation by SAR Interferometry: Examples from the Abruzzi, Central Italy, and Thessaly, Greece", in Proc. 5th International Symposium on Eastern Mediterranean Geology, Thessaloniki, Greece, 14-20 April 2004, Reference T7-17.
- Berardino P., Casu F., Lanari R., Manunta M., Manzo M., Pepe A., Sansosti E.: "A Small Baseline multi-platform DIFSAR approach", in Proc. EUSAR 2004, Ulm (Germany), 25-27 May 2004.
- R. Lanari, G. Zeni, M. Manunta, S. Guarino, A. Pepe, P. Berardino, E. Sansosti, P. Petrosino, L. Lirer. "A SAR/GIS Integrated Approach for Urban Deformations Analysis, in 32IGC-International Geological Congress – Firenze 20-28 Agosto 2004.
- Michele Manunta, Antonio Pepe and Paolo Berardino: "An Innovative DIFSAR Approach for Monitoring High Resolution Deformation Phenomena ERS/ENVISAT", in GOLD conference, Napoli (Italy), May 2004.
- Lundgren, P., F. Casu, M. Manzo, A. Pepe, P. Berardino, E. Sansosti, and R. Lanari: "The Potential of InSAR for Volcano Deformation Monitoring: Ten years of ERS Observations at Mt. Etna, Italy", in JKASP Workshop 2004, Petropavlovsk-Kamchatsky (Russia), 21-27 August 2004.
- Berardino P., Casu F., Lanari R., Manunta M., Manzo M., Pepe A., Sansosti E.: "On the exploitation of the SBAS Algorithm for the analysis of the deformations detected from the ERS and ENVISAT DIFSAR data", in ENVISAT & ERS Symposium, Salzburg (Austria), 6-10 September 2004.
- Berardino P., Lanari R., Pepe A., Sansosti E.: "On the Extension of the SBAS Algorithm for the Generation of ERS/ENVISAT deformation Time-Series", in IGARSS04, Anchorage (Alaska), 20-24 September 2004

- Casu F., Manunta M., Manzo M., Pepe A.: "L'Applicazione dell'algoritmo SBAS in condizioni di particolare criticità", in Proc. III Workshop AIT - XII Riunione Annuale CeTeM sul Telerilevamento a Microonde, Napoli (Italia), 25-26 novembre 2004.
- Casu F., Manunta M., Manzo M., Pepe A.: "Generazione di serie temporali di deformazione mediante dati SAR multi-sensore", in Proc. III Workshop AIT - XII Riunione Annuale CeTeM sul Telerilevamento a Microonde, Napoli (Italia), 25-26 novembre 2004.
- Casu F., Manzo M., Lundgren P., Pepe A., Lanari R.: "Surface deformation analysis of the tectonically active regions of Los Angeles and San Francisco (California) by applying DInSAR techniques", Geophysical Research Abstracts, Vol. 7, 07255, 2005. EGU General Assembly, Vienna (Austria), 24-29 April 2005.
- P. Berardino, R. Lanari, V. Lapenna, A. Loperte, A. Pepe, A. Perrone, S. Piscitelli, G. Zeni : "Integration of DInSAR techniques and near-surface geoelectrical surveys for studying ground instability phenomena: the case-study of Lucanian Apennine (Southern Italy)", Geophysical Research Abstracts, Vol. 7, 05412, 2005. EGU General Assembly, Vienna (Austria), 24-29 April 2005.
- Berardino P., Lanari R., Pepe A., Zeni G., Casarano D., Wasowski J., Guzzetti F.: "A space/time deformation analysis of unstable slopes at Maratea (Italy) based on satellite radar interferometry", Geophysical Research Abstracts, Vol. 7, 10893, 2005. EGU General Assembly, Vienna (Austria), 24-29 April 2005.
- P. Berardino, F. Casu, G. Fornaro, R. Lanari, M. Manunta, M. Manzo, A. Pepe, E. Sansosti: "SBAS DInSAR Applications for Surface Deformation Analysis of Volcanic and Seismogenetic Areas", in Use of Remote Sensing Techniques for Monitoring Volcanoes and Seismogenetic Areas Workshop, Ercolano (Italy), 23-24 June 2005.
- S. Salvi, C. Tolomei, S. Atzori, S. Stramondo, L. Colini, F. Doumaz, R. Lanari, A. Pepe, M. Manzo, F. Casu, A. Ferretti, F. Rocca, A. Ganas: "Estimation of slow ground movements in seismically active areas using the SBAS and PS techniques: examples from Central Italy and Thessaly, Greece", in Use of Remote Sensing Techniques for Monitoring Volcanoes and Seismogenetic Areas Workshop, Ercolano (Italy), 23-24 June 2005.
- Casu F., Buckley S. M., Manzo M., Pepe A., Lanari R.: "Large Scale InSAR Deformation Time Series: Phoenix and Houston Case Studies", Proc. IEEE IGARSS 2005, Seoul (Korea), 25-29 July 2005.
- Pepe A., Lanari R.: "A Space-Time Minimum Cost Flow Phase Unwrapping Algorithm for the Generation of DInSAR Deformation Time-Series", Proc. IEEE IGARSS 2005, Seoul (Korea), 25-29 July 2005.
- Berardino P., Casu F., Fornaro G., Guarino S., Lanari R., Manunta M., Manzo M., Parisi F., Pepe A., Sansosti E., Zeni G. : "PSIC4: the IREA contribution based on the exploitation of the SBAS approach", Fringe '05, ESRIN Frascati (Italy), 28 November 2005 – 2 December 2005.
- Pepe Antonio: "On the exploitation of the extended MCF Phase Unwrapping approach for the Generation of deformation time-series", Atti della Scuola di Dottorato in ingegneria dell'Informazione, Napoli, 20-24 Febbraio 2006.
- Pepe A., Lanari R.: "A Space-Time Extension of the Minimum Cost Flow Phase Unwrapping Algorithm for DInSAR Time-Series Generation", 6th European Conference on Synthetic Aperture Radar (EUSAR), Dresden (Germany), 16-18 May 2006.
- Tizzani P., Solaro G., Pepe S., Berardino P., Sansosti E., Casu F., Manzo M., Pepe A., Manunta M., Zeni G. and Lanari R.: "Surface deformation analysis via the SBAS-InSAR approach: method and applications to active volcanic areas", Convegno Nazionale Metodi Gravimetrico, Magnetico, Elettrico ed Elettromagnetico in Sismologia e Vulcanologia (MGMEESV), Catania, 27-29 September 2006.
- Simone Atzori, Stefano Salvi, Cristiano Tolomei, Salvatore Stramondo, Laura Colini, Riccardo Lanari, Alessandro Ferretti: "Nuove tecniche di geodesia spaziale: l'interferometria multitemporale per lo studio di movimenti lenti intersismici", 25° convegno nazionale Gruppo Nazionale di Geofisica della Terra Solida, Roma 28-30 Novembre 2006.

- Tizzani P., Solaro G. Pepe S., Berardino P., Sansosti E., Fornaro G., Casu F., Manzo M., Pepe A., Manunta M., Zeni G., Ricciardi G. P., Lanari R.: "La tecnica SBAS-INSAR per il monitoraggio delle deformazioni superficiali nelle aree vulcaniche attive: metodi e applicazioni", 25° convegno nazionale Gruppo Nazionale di Geofisica della Terra Solida, Roma 28-30 Novembre 2006.
- Casu F., Manzo M., Pepe A., Gourmelen N., Amelung F., Lanari R.: "Surface deformation analysis of very extended areas by applying the SBAS-DInSAR technique", Geophysical Research Abstracts, Vol. 9, 04372, EGU General Assembly 2007, Vienna (Austria), 15-20 April 2007.
- Berardino P., Casu F., Manunta M., Manzo M., Pepe A., Pepe S., Sansosti E., Solaro G., Tizzani P., Zeni G., Lanari R.: "The SBAS-DInSAR approach for surface deformation analysis of active volcanic areas" in Geophysical Research Abstracts, Vol. 9, 03724, EGU General Assembly 2007, Vienna (Austria), 15-20 April 2007.
- S. Salvi, S. Atzori, C. A. Brunori, F. Doumaz, G. P. Ricciardi, G. Solaro, S. Stramondo, C. Tolomei, R. Lanari, A. Pepe, A. Ferretti, S. Cespa: "The VELISAR initiative for the measurement of ground velocity in Italian seismogenic areas", EGU General Assembly, Vienna, Aprile 2007.
- P. Berardino F. Casu, G. Fornaro, R. Lanari, M. Manunta, M. Manzo, A. Pepe, S. Pepe, E. Sansosti, F. Serafino, G. Solaro, P. Tizzani, G. Zeni: "A two-scale ground deformation analysis by exploiting ENVISAT radar data via the SBAS DInSAR technique: the Campi Flegrei case study", ENVISAT SYMPOSIUM 2007, Montreux (Switzerland), 23-27 Aprile 2007
- Wasowski J., Casarano D., Bovenga F., Conte D., Nutricato R., Refice A., Berardino P., Manzo M., Pepe A., Zeni G., Lanari R.: "A comparative analysis of the DInSAR results achieved by the SBAS and SPINUA techniques: a case study of the Maratea valley, Italy", ENVISAT SYMPOSIUM 2007, Montreux (Switzerland), 23-27 Aprile 2007.
- Casu, F., Manzo, M., Pepe, A., Mazzarella, G., Lanari, R., On the capability of the SBAS-DInSAR technique to investigate deformation phenomena of large areas with low resolution data, ENVISAT SYMPOSIUM 2007, Montreux (Switzerland), 23-27 April 2007.
- P. Berardino, F. Casu, G. Fornaro, R. Lanari, M. Manunta, M. Manzo, A. Pepe, S. Pepe, E. Sansosti, F. Serafino, G. Solaro, P. Tizzani, G. Zeni: "Surface deformation analysis of the Campi Flegrei caldera, Italy, by exploiting the ENVISAT ASAR data with the SBAS DInSAR technique", IGARSS 2007, Barcelona (Spain), 23-27 July 2007.
- P. Berardino, F. Casu, G. Fornaro, R. Lanari, M. Manunta, M. Manzo, A. Pepe, S. Pepe, E. Sansosti, F. Serafino, G. Solaro, P. Tizzani, G. Zeni: "The SBAS-InSAR technique as a tool for the observation of active volcanic areas: results and future perspectives", IGARSS 2007, Barcelona (Spain), 23-27 July 2007.
- A. Pepe, M. Manunta, G. Mazzarella and R. Lanari: "A Space-Time Minimum Cost Flow Phase Unwrapping Algorithm for the Generation of Persistent Scatterers Deformation Time-Series", IGARSS 2007, Barcelona (Spain), 23-27 July 2007
- Casu, F., Solaro, G., Pepe, S., Lundgren, P., Manzo, M., Pepe, A., Berardino, P., Sansosti, E., Lanari, R., Fifteen years of ERS and ENVISAT DInSAR observations at Mt. Etna (Italy) by using the SBAS approach, in Proc. Fringe '07, ESRIN, Frascati (Italy), 26-30 November 2007.
- Berardino, P., Borgström, S., Aquino, I., Casu, F., Del Gaudio, C., Lanari, R., Manunta, M., Manzo, M., Pepe, A., Pepe, S., Ricciardi, G.P., Ricco, C., Sansosti, E., Solaro, G., Tizzani, P., Zeni, G., Monitoring the Campi Flegrei caldera by exploiting SAR and geodetical data: recent results and future applications, in Proc. Fringe '07, ESRIN, Frascati (Italy), 26-30 November 2007.
- Euillades, L., Blanco, M., Pepe A., Euillades, P., "SBAS-DinSAR Surface Deformation Analysis of the Mendoza Region (Argentina) by using ENVISAT ASAR Data", in Proc. Fringe '07, ESRIN, Frascati (Italy), 26-30 November 2007.
- Manzo, M., P. Berardino, A. Pepe, E. Sansosti, P. Tizzani and R. Lanari, Surface deformation analysis of the Napoli bay (Italy) area: sixteen years of ERS and ENVISAT DInSAR observations, Geophysical Research Abstracts, Vol. 10, EGU General Assembly 2008, Vienna (Austria), 13-18 April 2008.

## Workshop Papers

- Berardino, P., A. Camacho, F. Casu, J. Fernández, P.J. Gonzales, M. Manzo, J. Martí, A. Pepe, P. Tizzani, R. Lanari, Long term surface deformation analysis of Tenerife island, Spain, by using the SBAS-DInSAR technique, Geophysical Research Abstracts, Vol. 10, EGU General Assembly 2008, Vienna (Austria), 13-18 April 2008.
- Gonzalez, P.J., S. Samsonov, P. Berardino, J.F. Prieto, K.F. Tiampo, F. Casu, M. Manzo, A. Pepe, P. Tizzani, G. Zeni, A.G. Camacho, R. Lanari, J. Fernández, Full 3D volcanic deformation fields combining GPS surveys and SBAS-InSAR, Geophysical Research Abstracts, Vol. 10, EGU General Assembly 2008, Vienna (Austria), 13-18 April 2008.
- F. Guzzetti, M. Manunta, F. Ardizzone, A. Pepe, M. Cardinali, G. Zeni, M. Galli, R. Lanari, P. Reichenbach, Analysis of ground deformation detected using the Sbas-DInSAR technique in Umbria, central Italy, Geophysical Research Abstracts, Vol. 10, EGU General Assembly 2008, Vienna (Austria), 13-18 April 2008.
- A. Pepe, F. Casu, M. Manunta, G. Mazzarella, R. Lanari, "On the Exploitation of the Extended Minimum Cost Flow (EMCF) Phase Unwrapping Algorithm for the Generation of Deformation Time-Series", in Proc. EUSAR 2008, Vol. 3, pp. 273-276, Friedrichshafen (Germany), 2-5 June 2008.
- Stefano Salvi, Simone Atzori, Carlo Alberto Brunori, Fawzi Doumaz, Salvatore Stramondo, Cristiano Tolomei, Stefano Vinci, Riccardo Lanari, Antonio Pepe, Alessandro Ferretti, Stefano Cespa, "L'iniziativa VELISAR per la misura della velocità del suolo nelle aree sismogenetiche italiane", convegno AIQUA, Firenze, 5-6 June 2008
- Bonano M., Casu F., Lanari R., Manunta M., Manzo M., Pepe A., Tizzani P., Generazione di serie storiche di deformazione da dati SAR ERS-ENVISAT ad alta risoluzione spaziale, XIV Riunione Annuale CeTeM, Rome (Italy), 23-24 October 2008.
- Fernández, J., Tizzani, P., Manzo, M., Borgia, A., González, P.J., Martí, J., Pepe, A., Camacho, A.G., Casu, F., Berardino, P., Prieto, J.F., Lanari, R., A broad long term deformation in Tenerife measured by InSAR time series analysis, 3rd Workshop on 'Deformation and Gravity Change: Indicators of Isostasy, Tectonics, Volcanism and Climate Change', Lanzarote, Canary Islands (Spain), 23-26 February 2009.
- Fernández, J., Tizzani, P., Manzo, M., Borgia, A., González, P.J., Martí, J., Pepe, A., Camacho, A.G., Casu, F., Berardino, P., Prieto, J.F., Lanari, R., On the ground deformation of Tenerife volcano island revealed by 92-05 InSAR time series: data analysis and modelling, Geophysical Research Abstracts, EGU General Assembly 2009, Vienna (Austria), 19-24 April 2009.

|                 |   |
|-----------------|---|
| Computer skills | Programming Languages: Pascal, C/C++, Matlab, IDL, Fortran<br>Analysis Packages: Word, Excel, Power Point, Access, Visual Basic, Corel Draw, Grass, ENVI, Map Info, Tera, OMC Siemens.<br>Operative Systems : Windows, Unix/Linux |
| Date            | October 10, 2012  |