

# ***Curriculum Vitae of Dr. Simone Lepore***

## ***Personal data***

**Current position:** Post-doc researcher in Geophysics

**Qualifications:** Ph.D. in Earth Sciences & Master degree in Physics

**E-mail:** [simone.lepore@unina.it](mailto:simone.lepore@unina.it), [s.lepore@tudelft.nl](mailto:s.lepore@tudelft.nl)

**Mobile:** +393299413942, +31646811838

**Birthday:** 23/06/1981, Naples, Italy

## ***Professional Experience***

**January 2013 / present:** Post-doc researcher in Geophysics in seismic interferometry and CO<sub>2</sub> sequestration at the TU Delft, the Netherlands.

**November 2013:** At Los Alamos National Laboratory (Los Alamos, New Mexico, U.S.A.), collaborating with Dr. Monica Maceira on recording and characterization of non-volcanic tremors.

**February 2011 / December 2012:** Research assistant in Geophysics (Numerical simulations of the dynamics of explosive volcanic eruptions, Geochronology and Geostatistics of relative deposits) at the Department of Earth Sciences, University of Naples Federico II.

**January 2011 / December 2012:** Member of the Vhub project on “Collaborative volcano research and risk mitigation”.

**November 2007 / January 2011:** Ph.D. in Earth Sciences on Physical modelling of explosive volcanic eruptions.

**September / December 2009:** At the University at Buffalo, The State University of New York (Buffalo, New York, U.S.A.), conducting research under the direction of Professor Gregory Valentine, on numerical simulation of pyroclastic density currents, using the computational fluid dynamics code GMFIX (Geophysical Multiphase Flow with Interphase eXchanges).

**January 2009 / now:** Geochronological analyst of the Procida geological map at the 1/10000 scale within the CARG (Geological Cartography of Italy) project.

**September / December 2008:** At the Volcano Hazards Team (Menlo Park, California, U.S.A.) of U.S. Geological Survey, carrying out research under the direction of Doctor Andrew Calvert, on elevated

precision  $^{40}\text{Ar}/^{39}\text{Ar}$  datings of Neapolitan volcanic deposits by means of the TRIGA reactor and the GLM mass spectrometer.

**March 2008:** Winner of a fellowship from the University of Naples Federico II for Ph.D. students for carrying out research activities abroad.

**February / November 2007:** Member of the Scientific Team in Geophysics applied to seismic risk, directed by Professor Antonio Rapolla, Department of Earth Sciences, University of Naples Federico II.

**April 2007:** Component of the Staff of the EGM International Workshop “Innovation in Electromagnetic, Gravimetric and Magnetic methods: a new perspective for exploration”, held in Capri, Naples, Italy.

## ***Education***

**October 2011:** Participation to the doctoral course “Fluids in the Earth” organized by Professor Benedetto De Vivo, Department of Earth Sciences, University of Naples Federico II.

**January 2011:** Dissertation of the doctoral thesis for the Ph.D. in Earth Sciences.

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## ***Doctoral Thesis***

The Ph.D. thesis in Geophysics, “Numerical Simulations and Geochronology of explosive volcanic eruptions: multidisciplinary approaches for the study of Campanian volcanism”, was carried out at the Department of Earth Sciences, under the direction of Doctor Claudio Scarpati, at the University of Naples Federico II.

[http://www.fedoa.unina.it/8272/1/Lepore\\_Simone\\_23.pdf](http://www.fedoa.unina.it/8272/1/Lepore_Simone_23.pdf)

[http://www.lds.unina.it/simonelepore/Tesi\\_Dottorato.pdf](http://www.lds.unina.it/simonelepore/Tesi_Dottorato.pdf)

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**January 2008 / December 2010:** Participation to doctoral courses

- 1) “Eruptive Physical Processes”, organized by Doctor Claudio Scarpati, Department of Earth Sciences, University of Naples Federico II.
- 2) “Physics of Volcanism”, organized by Doctor Claudio Scarpati, Department of Earth Sciences, University of Naples Federico II.
- 3) “Reactive Fluid Dynamics”, organized by Professor Pier Luca Maffettone, Engineering faculty, University of Naples Federico II.
- 4) “Structural Geology”, organized by Professor Stefano Mazzoli, Department of Earth Sciences, University of Naples Federico II.
- 5) “Volcanic Hazard”, organized by Professor Giuseppe Luongo, Department of Earth Sciences, University of Naples Federico II.

**May 2006:** Master Degree (four-year Laurea) in Physics accomplished at the University of Naples Federico II.

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### ***Thesis of Laurea (Master thesis)***

The Laurea thesis in Physics, “A methodology to determinate the detection level of a seismic network”, was carried out at the Laboratory of Seismology RISSC, under the direction of Professor Aldo Zollo, at the University “Federico II” of Naples, Italy.

**[http://www.lds.unina.it/simonelepore/Tesi\\_Laurea.pdf](http://www.lds.unina.it/simonelepore/Tesi_Laurea.pdf)**

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**1999:** School-leaving certificate got at the “Liceo Classico Antonio Genovesi” of Naples, Italy.

### ***Computational Knowledge***

Excellent abilities in FORTRAN, GMFIX, MATLAB, and LabVIEW

Good acquaintance of LINUX operating system

Expertise in the use of SAC (Seismic Analysis Code)

### ***Language skills***

- 1) Knowledge of English at the level B2 (attested by a Cambridge certificate) on the basis of the CERF (Common European Framework of Reference for Languages)
- 2) Mother tongue: Italian

## ***Peer-review publications***

- Scarpati C., Perrotta A., Lepore S., and Calvert A.: “Eruptive history of Neapolitan volcanoes: constraints from  $^{40}\text{Ar}/^{39}\text{Ar}$  datings”, Geol. Mag., 150, 412-425, 2013.  
<http://dx.doi.org/10.1017/S0016756812000854>  
[http://www.lidi.unina.it/simonelepore/Geological\\_Magazine.pdf](http://www.lidi.unina.it/simonelepore/Geological_Magazine.pdf)
- Lepore S.: “Is it possible to distinguish ambient noise and earthquakes?”, Scienza in Rete, March 2013.  
<http://www.scienzainrete.it/en/content/article/simone-lepore/it-possible-distinguish-ambient-noise-and-earthquakes/marzo-2013>  
[http://www.lidi.unina.it/simonelepore/Is\\_it\\_possible\\_to\\_distinguish\\_ambient\\_noise\\_and\\_earthquakes.pdf](http://www.lidi.unina.it/simonelepore/Is_it_possible_to_distinguish_ambient_noise_and_earthquakes.pdf)
- Lepore S.: “Volcanic risk in Campi Flegrei: past, present, future”, Scienza in Rete, October 2012.  
<http://www.scienzainrete.it/en/content/article/volcanic-risk-campi-flegrei-past-present-future>  
[http://www.lidi.unina.it/simonelepore/Volcanic\\_risk\\_in\\_campi\\_flegrei\\_past\\_present\\_future.pdf](http://www.lidi.unina.it/simonelepore/Volcanic_risk_in_campi_flegrei_past_present_future.pdf)
- Lepore S., and Scarpati C.: “New developments in the analysis of column-collapse pyroclastic density currents through numerical simulations of multiphase flows”, Solid Earth, 3, 161-173, 2012.  
<http://www.solid-earth.net/3/161/2012/se-3-161-2012.html>  
[http://www.lidi.unina.it/simonelepore/Solid\\_Earth.pdf](http://www.lidi.unina.it/simonelepore/Solid_Earth.pdf)
- Lepore S., and Scarpati C.: “New developments in the analysis of volcanic pyroclastic density currents through numerical simulations of multiphase flows”, Solid Earth Discuss., 4, 173-202, 2012.  
<http://www.solid-earth-discuss.net/4/173/2012/sed-4-173-2012.html>  
[http://www.lidi.unina.it/simonelepore/Solid\\_Earth\\_Discussion.pdf](http://www.lidi.unina.it/simonelepore/Solid_Earth_Discussion.pdf)
- Lepore S.: “Mathematics can explain the end of Pompeii”, Scienza in rete, May 2012.  
<http://www.scienzainrete.it/en/content/article/mathematics-can-explain-end-pompeii>  
[http://www.lidi.unina.it/simonelepore/Mathematics\\_can\\_explain\\_the\\_end\\_of\\_pompeii.pdf](http://www.lidi.unina.it/simonelepore/Mathematics_can_explain_the_end_of_pompeii.pdf)

- Lepore S., and Scarpati C.: “Transient behaviour simulation of large, explosive, and ignimbrite forming eruptions by a multiphase thermo-fluid dynamic model”, Proceeding of the 85<sup>th</sup> Italian Geological Society National meeting, 6-8 September 2010, Pisa.  
**<http://www.lds.unina.it/simonelepore/Pisa.pdf>**
- Lepore S., Di Fiore V., and Rapolla A.: “Features of seismic microtremor signals within a building”, Proceeding of the 26<sup>th</sup> GNGTS meeting, 13-15 November 2007, Roma.  
**<http://www.lds.unina.it/simonelepore/Roma.pdf>**

## ***Presentations to National and International Meetings***

- Lepore S., Yohei N., Ruigrok E., Wapenaar K., Gómez M., Ruzzante J., Torres D., Lòpes Pumarega I., and Draganov D.: “The characterization of subsurface structures in the Malargue region using seismic interferometry”, Proceeding of the 2013 AGU Fall Meeting, 9-13 December 2013, San Francisco.
- Calvert A., Lepore S., Perrotta A., and Scarpati C.: “Study of volcanic risk through  $^{40}\text{Ar}/^{39}\text{Ar}$  elevated precision datings of Neapolitan area volcanic deposits”, Proceeding of the 6<sup>th</sup> International meeting “Cities on Volcanoes”, 31 May - 4 June 2010, Tenerife.  
**<http://www.lds.unina.it/simonelepore/Tenerife.pdf> (page 137)**
- Lepore S., and Scarpati C.: “Multi-particle numerical simulations of collapsing volcanic columns”, Proceeding of the 6<sup>th</sup> International Conference “Cities on Volcanoes”, 31 May – 4 June 2010, Tenerife.  
**<http://www.lds.unina.it/simonelepore/Tenerife.pdf> (page 149)**
- Scarpati C., Carleo V., Catalani M., Cole P., Di Donna G., Lepore S., Perrotta A., and Pilley V.: “Volcanic risk perception in the towns around Mt. Vesuvius”, Proceeding of the 6<sup>th</sup> International Conference “Cities on Volcanoes”, 31 May – 4 June 2010, Tenerife.  
**<http://www.lds.unina.it/simonelepore/Tenerife.pdf> (page 158)**
- Fedele L., Insinga D., Calvert A., Morra V., Perrotta A., Scarpati C., and Lepore S. “ $^{40}\text{Ar}/^{39}\text{Ar}$  dating of tuff vents in the Campi Flegrei caldera: towards a new chronostratigraphic reconstruction of the volcanic activity during the Holocene”, Proceeding of the 7<sup>th</sup> Geoitalia meeting, 9-11 September 2009, Rimini.  
**<http://www.lds.unina.it/simonelepore/Rimini.pdf> (page 2)**
- Lepore S., Calvert A., Morra V., Perrotta A., and Scarpati C.: “Elevated precision  $^{40}\text{Ar}/^{39}\text{Ar}$  datings of Neapolitan and Phlegraean volcanic deposits using high sensitivity MAP216 mass spectrometer”, Proceeding of the 7<sup>th</sup> Geoitalia meeting, 9-11 September 2009, Rimini.  
**<http://www.lds.unina.it/simonelepore/Rimini.pdf> (page 1)**



UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II  
POLO DELLE SCIENZE E DELLE TECNOLOGIE  
DIPARTIMENTO DI SCIENZE DELLA TERRA

Dott. Claudio Scarpati  
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Fax (081) 5527631  
E-mail: [claudio.scarpati@unina.it](mailto:claudio.scarpati@unina.it)

June, 2012

To Whom It May Concern:

Since February 2011 until now, Dr. Simone Lepore has continued to collaborate with the Physics of Volcanism group of the University of Naples Federico II. In this way, he has been able to refine and publish the results of his Ph.D. dissertation. Dr. Lepore has developed numerical simulations of pyroclastic density currents, and his main results are now published in the paper:

*Lepore S., and Scarpati C., 2012: "New developments in the analysis of column-collapse pyroclastic density currents through numerical simulations of multiphase flows", Solid Earth, 3, 161-173, doi:10.5194/se-3-161-2012.*

Furthermore, he has personally dated several samples of pyroclastic deposits, using elevated precision  $^{40}\text{Ar}/^{39}\text{Ar}$  dating method, at U.S. Geological Survey laboratories in Menlo Park. The results are reported in the following paper:

*Scarpati C., Perrotta A., Lepore S., and Calvert A., 2012: "Eruptive history of Neapolitan volcanoes: constraints from  $^{40}\text{Ar}/^{39}\text{Ar}$  datings", submitted to Geological Magazine.*

He is the geochronological analyst of the geological map of Italy 1:10.000, foglio 465, Isola di Procida, edited by Campanian Region in 2012.

At the moment, he is working in Geostatistics, learning how to use kriging procedures to obtain thickness distributions of volcanic deposits and numerical methods to evaluate erupted volumes.

Napoli,

Prof. Claudio Scarpati





**UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II**  
**POLO DELLE SCIENZE E DELLE TECNOLOGIE**  
**DIPARTIMENTO DI SCIENZE DELLA TERRA**

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January, 22 2011

I am pleased to write about Dr. Simone Lepore who recently concluded his PhD in Earth Sciences under my supervision. Dr. Lepore is a physicist who dedicated his master degree thesis to seismology. Then he decided to shift to physical volcanology for his Ph.D. dissertation. The Campanian region (South Italy) is an area full of active volcanoes with so many aspects that need to be investigated. Our research team at the University of Napoli Federico II was very interested to the volcanic risk mitigation through a better comprehension of the eruptive history of this territory. So to Dr. Lepore were assigned two main objectives: a) to better constrain the eruptive history of the Campi Flegrei volcanic field, especially its eastern urban sector that underlies the city of Naples; b) to develop numerical simulation of pyroclastic density currents, a recurrent volcanic phenomenon in the volcanic history of both Somma-Vesuvius and Campi Flegrei (Phlegraean Fields).

His contributions in both researches have been very significative. He has personally dated several samples of pyroclastic deposits, using elevated precision  $^{40}\text{Ar}/^{39}\text{Ar}$  dating method, at US Geological Survey laboratories of Menlo Park. A fluid dynamics approach allowed Dr. Lepore to assess the dynamics of pyroclastic currents using the computer code GMFIX. These simulations have been, then, applied to the reconstruction of the physical behaviour of some pyroclastic current phases of the great phreatoplinian event which determined the deposition of Neapolitan Yellow Tuff and to the reproduction of the impact of pyroclastic currents on the built-up area of Pompei during the 79 AD Vesuvius eruption.

Dr. Lepore has demonstrated an elevated ability to handle volcanological problems using quantitative methodologies.

Napoli,

Prof. Claudio Scarpati





# United States Department of the Interior

## U.S. GEOLOGICAL SURVEY

Volcano Hazards Team

MS 937

345 Middlefield Road

Menlo Park, California 94025 USA

December 8, 2008

To whom it may concern:

Between 25 September and 8 December, 2008 Simone Lepore has been working under my direction in the USGS-Menlo Park Argon Geochronology laboratory as a portion of his doctoral thesis work. He prepared and analyzed samples from seven Naples-area volcanic deposits using our high-sensitivity  $^{40}\text{Ar}/^{39}\text{Ar}$  mass spectrometer. He obtained precise age-dates on the samples and we will continue to collaborate to refine their ages and publish the results. He also helped prepare and analyze related Vesuvius and Campi Flegrei samples.

Since Naples is built on very young volcanic deposits, the work he has performed here is very important in understanding volcanic hazards for the region.

His participation in my group's research has been fruitful for his personal growth. He has developed a good working knowledge of argon geochronology of very young materials. He now has hands-on experience preparing materials for geochronology, running a state-of-the-art noble gas mass spectrometer, and reducing data. With this work he has gained valuable laboratory and geophysical experience.

Sincerely,

Dr. Andrew T. Calvert  
Research Geologist



Università degli Studi di Napoli *Federico II*  
Centro Interdipartimentale di Ricerca L.U.P.T.

To whom may be interested

This is to certify that Dr. Simone Lepore has been working under my direction at the Department of Earth Sciences, University Federico II of Naples, from September 2006 to September 2007. The purpose of this letter is to present Dr. Lepore activities during that time.

Our research team was very interested, among other subjects, to the seismic risk mitigation through the analysis of microtremors, which are omnipresent low-amplitude oscillations that take place on the Earth surface. Dr. Lepore developed a research on the study of the features of seismic microtremor signals within a building that he presented in Rome on November 2007 at the 26° National Meeting of the GNGTS (National Group of the Solid Earth Geophysics). The purpose of his work has been to describe how a building affected the characteristics of microtremor signals, moving from the free earth outside the building to its basement, and then to the upper floors. To study the microtremor features in time and frequency domains, and to analyze the trend of the amplitude during the day and to find characteristic frequencies of the signal, Dr. Lepore used the LABVIEW software, produced by the National Instruments. The obtained results have been very helpful in contributing to the evaluation of induced vibrations on a building, notwithstanding the small amplitude of microtremors.

It has been a pleasure having Dr. Lepore here in our seismology group for one year. His contribution in this research has been very meaningful. He demonstrated an elevated ability to handle seismological problems using quantitative methodologies. He also taught the microtremors features to students enrolled in Environmental Sciences.

Napoli, 16/09/2011

Antonio Rapolla  
(Prof. of Earth Physics and President, Town  
Planning Research Center, LUPT)



Form 1996

**Faculty Researcher Guest Agreement****Program Overview**

Faculty Researcher Guests are employed by a University as a Professor who comes to the Laboratory during summer break to participate in experiments and conduct research to broaden their knowledge base and expertise in their area of discipline (i.e., Physics, Environmental Engineering, Industrial Health, etc). Hands-on work must not be intended to primarily benefit LANL programs. Faculty Research Guests may not receive a daily fee but are eligible for travel, per diem, lodging, and rental car reimbursements. The duration of the agreement can be for 1 year and can be renewed; intermittent visits are allowed.

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The Laboratory requests information on this form for administrative purposes. The Human Resources Division is responsible for maintaining the information contained on these forms. Furnishing the requested information is voluntary, but failure to provide all or part of the information may result in the inability of the Laboratory to process the Guest Agreement. The Laboratory staff responsible for related personnel functions may use the information furnished by you. The information may be furnished to third parties, including State and Federal officials, as required by law. You have a right to review your own records in accordance with Laboratory policy. Information on this policy may be obtained from the Human Resources Division Leader or the designated representative.

**Distribution**

The Host Organization is responsible for distributing a signed copy of this form to the Guest and to the HR Service Center Group's Guest Agreements Office, MS P290, Fax 606-0162.

**Travel Reimbursement**

For reimbursement of travel expenses, complete the Guest Travel Expense Worksheet (form 1127-A) and submit to CFO Disbursements Office, MS P240.

Guest's Full Legal Name ( <i>Last, First, Middle</i> ) Lepore, Simone		Z No. 285209	E-Mail Address S.Lepore@tudelft.nl	
Guest's Mailing Address ( <i>Street, City, State, Zip Code</i> ) Leeghwaterstraat 220, 2628 LW, Delft, Netherlands			Phone Number ( <i>with area code</i> ) +393299413942	
Citizenship Italy	Date of Birth 06/23/1981	Social Security No.	Employer ( <i>University</i> ) TU Delft	
Employer ( <i>University</i> ) Address ( <i>Street, City, State, Zip Code</i> ) CiTG TU Delft (Room: T3.220), Stevinweg 1, 2628 CN, Delft, Netherlands			Phone Number ( <i>with area code</i> ) +31152787882	
Agreement Dates – <i>If foreign national, dates must be within approved Database for International Visits and Assignments (DIVA) dates</i> 09/09/2013 To 09/08/2014			DIVA Approved <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> Intermittent ( <i>check box if intermittent visits are allowed</i> )			Visa Type B1/B2	
6-digit Org Code (Cost Center) 3D170A	Project Code (Program Code) XW16		Task (Cost Account) 0000/0000	
Sponsoring Organization ( <i>group name</i> ) EES-17	Host ( <i>printed name and Z No.</i> ) Monica Maceira, 174614		Phone Number 7 2404 / 7 8465	
Travel ( <i>check one</i> ) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Per Diem ( <i>check one</i> ) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lodging ( <i>check one</i> ) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Rental Car ( <i>check one</i> ) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Maximum reimbursements not to exceed: \$ _____				
Brief Statement of Research Objectives (must not be primarily intended to benefit LANL programs) The goal of this collaboration is utilization of a dense permanent seismic array for detection, characterization and monitoring of the seismological and tectonic processes connected to the Southern part of the subduction zone formed by the oceanic Nazca plate and the continental South American plate.				

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### Patent & Rights In Data Agreement

Undersigned, as a condition to and in consideration of access to facilities and information at the Los Alamos National Laboratory, agrees as follows: That I will promptly furnish to Los Alamos National Security, LLC (LANS) complete information concerning any and all inventions or discoveries conceived or made by me in the course of or as a result of said access to facilities and information, and waive any right or claim to pecuniary award or compensation under the provisions of the Atomic Energy Acts of 1946 and 1954 with respect to such inventions or discoveries. That the US Department of Energy ("DOE") and LANS have the authority to determine whether or not and where a patent application shall be filed, and to determine the disposition of the title to and rights under any application or patent covering such inventions or discoveries. That I will execute all documents and do all things necessary and proper to carry out this agreement; and all drawing, reports, notebooks and other scientific or technical information of every description relating to or deriving from my work in connection with this association shall be subject to inspection by LANS and Government at all reasonable times and usable by the Government for any purpose whatever without claim on the part of the undersigned for compensation. That as to any data acquired through such access that I wish to publish as a scientific or technical article I will secure a patent review before publication in accordance with Laboratory policy. That I will promptly furnish to LANS or DOE complete information concerning technical data or computer software produced in the course of or as a result of said access to facilities and information, wherein copyright may be asserted for purposes of technology transfer, and waive any right or claim to pecuniary award or compensation to such technical data or computer software. That as to scientific or technical articles, LANS will waive copyright to the author subject to a Government reserve license. That as to patents, copyright software or technical data for technology transfer purposes, the inventor or author will be treated as "employee like" in accordance with the DOE advance waiver regarding employee like persons and LANS intellectual property royalty sharing policies.

### Faculty Researcher Guest:

#### Rules and Regulations, Release and Termination

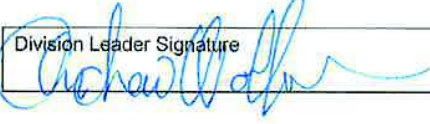
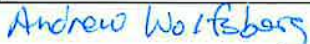
I agree to observe and conform to all rules and regulations including security, health and safety rules presently in effect at the Laboratory or as they may be amended from time to time. I agree to safeguard all privileged and proprietary information. I hereby release LANS, the United States of America, their officers, employees, and agents from liability for personal injuries to me or for damage to my property that is not due to the fault of LANS, its officers, employees or agents. This agreement may be terminated by either party at any time. I certify that I am currently employed by a University as a Professor and my primary intention for this visit at LANL is to participate in experiments and conduct research to broaden my own knowledge base and expertise in my area of discipline.

Faculty Researcher Guest Signature 	Typed Name Simone Lepore	Date 06/27/2013
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**Host/Mentor:** By signing below, I understand that the activities being performed by this Faculty Researcher Guest are to participate in experiments and conduct research to broaden their own knowledge base and expertise in their area of discipline (i.e., Physics, Environmental Engineering, Industrial Health, etc). Hands-on work is not primarily intended to benefit LANL programs. If the activities become work for the benefit of a LANL program, I understand that this individual must be hired as an employee. This Faculty Researcher Guest is not being considered for LANL employment in my organization at this time.

Program Sponsor Signature 	Printed Name Monica Maceira	Date 06/27/13
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**Division Level Management:** By approving this action I am doing so on behalf of the DOE and NNSA and I recognize my responsibilities as a Division Leader level manager or above with regards to badging of personnel at the Laboratory. Additionally, I am acknowledging that I am required to review this individual's access to administrative computing systems to ensure that they are appropriate. I understand that the activities being performed by this Faculty Researcher Guest are to participate in experiments and conduct research to broaden their knowledge base and expertise in their area of discipline (i.e., Physics, Environmental Engineering, Industrial Health, etc). Hands-on work is not primarily intended to benefit LANL programs. If the activities become work for the benefit of a LANL program, I understand that this individual must be hired as an employee. This Faculty Researcher Guest is not being considered for LANL employment in my organization at this time.

Division Leader Signature 	Printed Name James Bossert 	Date 6-28-13
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