



January 14, 2019

*RM: Recommendation of Prof. José Viramonte for the 2019-2023 Executive Committee Member.*

Prof. Setsuya Nakada  
Chair of the Nominating Committee,  
International Association of Volcanology  
and Chemistry of the Earth's Interior (IAVCEI)

Dear Prof. Nakada,

The International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) is in an interesting moment as a scientific society, and therefore, it is needed for its definition and the consecution of its goals a very strong leadership, one that can only be attained with the participation of well-known and recognized scientists. For the conformation of the 2019-2023 Executive Committee of IAVCEI, I foresee that scientists of the stature of Prof. José Viramonte are very much needed.

Prof. Viramonte is a senior researcher at the Universidad de Salta in Argentina. He is not only one of the most respected leaders in Volcanology in South America but is also recognized as an active leader of volcanological field research in the Latin American region. His successful career in geological mapping of volcanoes includes the eruptive activity of volcanoes in the Chilean-Argentinian border and Nicaragua. On the other hand, Prof. Viramonte is also an accomplished lecturer and academic guide of a number of students who are currently acting as scientists at academic and monitoring centers with international presence. His participation in organizing and presiding the successful ALVO (Latin American Association of Volcanology) is an example of his organizational and international teamwork capacity.

It is my pleasure to recommend Prof José Viramonte for a position in the next Executive Committee with the certainty that he will play a very important role in strengthening the ties of IAVCEI with other societies and unions, as well as the enforcement of the scientific ties within our association.

Sincerely,

A handwritten signature in black ink, consisting of a series of overlapping, fluid strokes that form a stylized, somewhat abstract shape.

Dr. Guillermo Alvarado,  
Prof. Natural Hazards at University of Costa Rica  
Volcanologist at CNE (Civil Defense at Costa Rica)

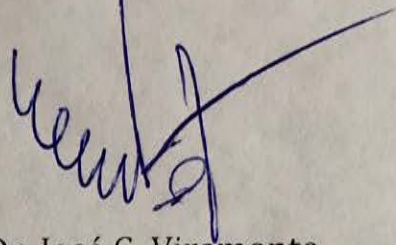
To  
IAVCEI  
Election Committee

Dear Sirs,

I'm pleased to accept being postulated as candidate to become a member of the IAVCEI Executive Committee.

I accept all the conditions and responsibilities that it implies.

Sincerely yours

A handwritten signature in blue ink, appearing to read 'José G. Viramonte', with a long horizontal stroke extending to the right.

Prof. Dr. José G. Viramonte  
Investigador Superior CONICET  
Member of the IAVCEI

# José G. VIRAMONTE, PhD

La Higuera 82 (Tres Cerritos) ■ 4400 SALTA - ARGENTINA ■ +54 387 4395965 ■  
joseviramonte@yahoo.com.ar

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## RESEARCH SCIENTIST

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*Specialist in Volcanology and Geothermal research*

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### Areas of scientific interests

Physical Volcanology, Stratigraphy and Facies Analysis of Volcanic Successions, Caldera Formation and Deposits, Geothermal Exploration, Tectonic Control on Volcanism and Geothermal Fluid Circulation, Petrography and Petrology of Volcanic Successions, Numerical Modeling of Volcanic and Geothermal Processes, Eruption Transport and Emplacement Mechanisms of Pyroclastic Density Currents, Lava Dome Emplacement, Environmental and Urban Geology, Hydrogeology.

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Universidad Nacional de Córdoba, Argentina

**Geologist**, (1965)

**Universidad Nacional de Córdoba, Argentina**

**PhD in Geological Sciences**, (1972)

Universidad Complutense de Madrid, Spain

**Specialist in volcanology** (1968)

**CONICET ( Argentina) (Argentine Scientific and Technical Research Council)**

**Research Scientist** :. Scientific Researcher Categoría Superior, (1999 to present)

CONICET.

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## TEACHING

**Universidad Nacional de Salta ( Argentina) ( Petrology and Volcanology)**: Associated Professor 1973-1976; 1983-1989; Full Professor: 1989-2014

**Universidad Nacional de Tucumán ( Argentina)**: Associated profesor on Petrology (1971-73) **Universidad Nacional Autónoma de Nicaragua 1968-1971**: Natural Resources. **Universidad Centroamericana ( Nicaragua) 1968-1971**: Ingeniering Geology.

Invited Professor in different Latin American and European Universities

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## MEMBERSHIPS

IAVCEI - International Association for Volcanology and Chemistry of the Earth Interior.

Asociación Geológica Argentina

Ex President of the ALVO Asociación Latinoamericana de Volcanología

GSA Geological Society of America

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## PUBLICATIONS

**Publications in indexed Journals** 92

**Publication in Congress and Meetings** : 136

**Books or Chapter Books** :24

### **Last 5 years publication:**

Estela Collini, María Soledad Osoreo, Arnau Folch, José G. Viramonte, Gustavo Villarosa y Graciela Salmuni. 2013. Volcanic Ash Forecast during the June 2011 Cordon Caulle eruption. *Natural Hazards*. Vol 66 (Nº2) : 389-412. DOI 10.0007/s11069-012-0492-y

María Soledad Osoreo, Arnau Folch, Estela Collini, Gustavo Villarosa, Adam Durant, Gloria Pujol, & José G. Viramonte. 2013. Validation of the Fall3D model for the 2008 Chaiten eruption using field and satellite data. *Andean Geology, Revista Geológica de Chile*. DOI 10.5027/andgeoV40n2-aXX.

José G. Viramonte. Utilización del modelo WRF/ARW – Fall3D para el pronóstico de dispersión de cenizas durante la erupción 2011 del Cordon Caulle. 2013. *Pyroclastic Flow, Journal of Geology*, Vol 2, (Nº 2) edición especial : 27-30. ISSN Nº 00719-0565. Chile.

Guido Giordano, Annamaria Pinton, Paola Cianfarra, Walter Baez, Agostina Chiodi, José Viramonte, Gianluca Norini & Gianluca Groppelli. 2013. Structural control on geothermal circulation in the Cerro Tuzgle–Tocomar geothermal volcanic area (Puna plateau, Argentina). *Jour. of Volcanology and Geothermal Research*. 249:77-94.

Norini G, Baez W., Becchio R., Viramonte J.G., Giordano G., Arnosio M., Pinton A., Groppelli G. 2013. The Calama –Olacapato – El Toro Fault System in the Puna Plateau Central Andes: Geodynamic implication and stratovolcanoes emplacement. *Tectonophysics*. DOI <http://dx.doi.org/10.1016/j.tecto.2013.06.013>

J.E.Romero, J.G. Viramonte y R.A. Scasso. 2013. Indirect tephra volume estimations using theoretical models for some Chilean historical volcanic eruptions with sustained columns. 2013. *Bollettino di Geofisica Teorica ed Applicata* ; 54(2):194-197.

C. Invernizzi, P.P. Pierantoni, A. Chiodi, R. Maffucci, S. Corrado, W. Baez, F. Tassi, G. Giordano, J. Viramonte. 2014. Preliminary assessment of the geothermal potential of Rosario de la Frontera area (Salta, NW Argentina): Insight from hydro-geological, hydro-geochemical and structural investigations. *Journal of South American Earth Sciences*. 54 (2014) 20-36.

G. Norini, S. Cogliati, W. Baez, M. Arnosio, E. Bustos, J. Viramonte, G. Groppelli. 2014. The geological and structural evolution of the Cerro Tuzgle Quaternary stratovolcano in the back arc region of the Central Andes, Argentina. *Journal of Volcanology and Geothermal Research* 285 : 214–228

Walter Báez, Marcelo Arnosio, Agostina Chiodi, Agustín Ortiz-Yañes, José

Germán Viramonte, Emilce Bustos, Guido Giordano y José Francisco López. 2015. Estratigrafía y evolución del Complejo Volcánico Cerro Blanco, Puna Austral, Argentina. *Revista Mexicana de Ciencias geológicas*. v. 32 (1) : 29-49

G. Córdoba, G. Villarosa, M. F. Sheridan, J. G. Viramonte, D. Beigt, and G. Salmuni. 2015. Secondary lahar hazard assessment for Villa la Angostura, Argentina, using Two-Phase-Titan modelling code during 2011 Cordón Caulle eruption. *Nat. Hazards Earth Syst. Sci.*, 15 : 757–766, [www.nat-hazards-earth-syst-sci.net/15/1/2015/](http://www.nat-hazards-earth-syst-sci.net/15/1/2015/) doi:10.5194/nhess-15-757-2015.

A. Chiodi , F. Tassi, W. Báez, R. Maffucci, C. Invernizzi , G. Giordano, S. Corrado, G. Bicocchi, O. Vaselli, J.G. Viramonte & P.P. Pierantoni. 2015. New geochemical and isotopic insights to evaluate the geothermal resource of the hydrothermal system of Rosario de la Frontera (Salta, northern Argentina). *Journal of Volcanology and Geothermal Research* 295 : 16–25

González C., Inostroza M., Aguilera F., González R. y Viramonte J.G. 2015. Head and mass flux measurements using LANDSAT image during 2000-2004 period Lascar Volcano Northern Chile. 2015. *Journal of Volcanology and Geothermal Research*. *Journal of Volcanology and Geothermal Research* 301 : 277-292

F. Reckziegel, E. Bustos, L. Mingari , W. Báez , G. Villarosa , A. Folch, E. Collini , J. Viramonte , J. Romero, & S. Osoreo. 2016. Forecasting volcanic ash dispersal and coeval resuspension during the April–May 2015 Calbuco eruption. *Journal of Volcanology and Geothermal Research* 321 : 44–57. <http://dx.doi.org/10.1016/j.jvolgeores.2016.04.033> [0377-0273/](https://doi.org/10.1016/j.jvolgeores.2016.04.033)

J.E. Romero, D. Morgavi, F. Arzilli, R. Daga, A. Caselli, F. Reckziegel, J. Viramonte, J. Díaz-Alvarado, M. Polacci, M. Burton & D. Perugini. 2016. Eruption dynamics of the 22–23 April 2015 Calbuco Volcano (Southern Chile): Analyses of tephra fall deposits. *Journal of Volcanology and Geothermal Research* 317 : 15–29. <http://dx.doi.org/10.1016/j.jvolgeores.2016.02.027> [0377-0273](https://doi.org/10.1016/j.jvolgeores.2016.02.027)

Báez, W., Carrasco Nuñez, G., Giordano, G., Viramonte J.G. y Chiodi A. 2016. The polycyclic scoria cones of the Antofagasta de la Sierra basin, Southern Puna Plateau, Argentina. En Németh, K., Carrasco-Nuñez, G., Aranda-Gómez, J. J. y Smith, I. E. M. (eds): *Monogenetic Volcanism*. Geological Society, London, Special Publications, 446, <http://doi.org/10.1144/SP446.3>

Giordano G., Ahumada F., Aldega L., Báez W., Becchio R., Bigi S., Caricchi C., Chiodi A., Corrado S., De Benedetti A.A., Favetto A., Filipovich R., Fusari A., GropPELLI G., Invernizzi C., Maffucci R., Norini G., Pinton A., Pomposiello C., Tassi F., Taviani S., Viramonte J.G. (2016). Preliminary Data on the Structure and Potential of the Tocomar Geothermal Field

(Puna Plateau, Argentina). *Energy Procedia*, 97, 202-209.

Chiodi, Agostina L, Báez, Walter A, Filipovich, Rubén E, Ahumada, M. Florencia, y Viramonte, José G. (2016). Modelo conceptual preliminar del sistema geotermal El Sauce (Salta) a partir de estudios de geoquímica de fluidos. *Revista de la Asociación Geológica Argentina*, 73(1), 93-103.

Mingari L., Collini E., Folch A., Báez W., Bustos E., Osoro S., Reckziegel F., Alexander P., Viramonte J.G. 2017. Numerical simulations of windblown dust over complex terrain: the Fiambalá Basin episode in June 2015. *Atmos. Chem. Phys.*, 17, 6759-6778.

Beatriz Coira, Suzanne Mahlburg Kay , José G. Viramonte , Robert W. Kay , Claudia Galli. 2018. Origin of late Miocene Peraluminous Mn-rich Garnet-bearing Rhyolitic Ashes in the Andean Foreland (Northern Argentina). *Journal of Volcanology and Geothermal Research* 364 (2018) 20–34.

F. Lucci, F. Rossetti, R. Becchio, T. Theye, A. Gerdes, J. Opitz, W. Baez, L. Bardelli, G. De Astis, J.G. Viramonte, G. Giordano. 2018. Magmatic Mn-rich garnets in volcanic settings: Age and longevity of the magmatic plumbing system of the Miocene Ramadas volcanism (NW Argentina). *Lithos* (2018), doi:10.1016/j.lithos.2018.10.016

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- √ Guido Giordano, Annamaria Pinton, Paola Cianfarra, Walter Baez, Agostina Chiodi, José Viramonte, Gianluca Norini & Gianluca GropPELLI. 2013. Structural control on geothermal circulation in the Cerro Tuzgle–Tocomar geothermal volcanic area (Puna plateau, Argentina). JVGR 249:77-94.
- √ Norini G, Baez W., Becchio R., Viramonte J.G., Giordano G., Arnosio M., Pinton A., GropPELLI G. 2013. The Calama –Olacapato – El Toro Fault System in the Puna Plateau Central Andes: Geodynamic implication and stratovolcanoes emplacement. Tectonophysics. DOI <http://dx.doi.org/10.1016/j.tecto.2013.06.013>
- √ G. Norini, S. Cogliati, W. Baez, M. Arnosio, E. Bustos, J. Viramonte, G. GropPELLI. 2014. The geological and structural evolution of the Cerro Tuzgle Quaternary stratovolcano in the back arc region of the Central Andes, Argentina. JVGR 285 : 214–228
- √ Chiodi, F. Tassi, W. Báez, R. Maffucci, C. Invernizzi, G. Giordano, S. Corrado, G. Biccocchi, O. Vaselli, J.G. Viramonte & P.P. Pierantoni. 2015. New geochemical and isotopic insights to evaluate the geothermal resource of the hydrothermal system of Rosario de la Frontera (Salta, northern Argentina). JVGR 295 : 16–25
- √ González C., Inostroza M., Aguilera F., González R. y Viramonte J.G. 2015. Head and mass flux measurements using LANDSAT image during 2000-2004 period Lascar Volcano Northern Chile. 2015. JVGR 301 : 277-292
- √ F. Reckziegel, E. Bustos, L. Mingari, W. Báez, G. Villarosa, A. Folch, E. Collini, J. Viramonte, J. Romero, & S. Osoreos. 2016. Forecasting volcanic ash dispersal and coeval resuspension during the April–May 2015 Calbuco eruption. JVGR 321 : 44–57. <http://dx.doi.org/10.1016/j.jvolgeores.2016.04.033> 0377-0273/
- √ J.E. Romero, D. Morgavi, F. Arzilli, R. Daga, A. Caselli, F. Reckziegel, J. Viramonte, J. Díaz-Alvarado, M. Polacci, M. Burton & D. Perugini. 2016. Eruption dynamics of the 22–23 April 2015 Calbuco Volcano (Southern Chile): Analyses of tephra fall deposits. JVGR 317 : 15–29. <http://dx.doi.org/10.1016/j.jvolgeores.2016.02.027> 0377-0273
- √ Báez, W., Carrasco Nuñez, G., Giordano, G., Viramonte J.G. y Chiodi A. 2016. The polycyclic scoria cones of the Antofagasta de la Sierra basin, Southern Puna Plateau, Argentina. En Németh, K., Carrasco-Nuñez, G., Aranda-Gómez, J. J. y Smith, I. E. M. (eds): Monogenetic Volcanism. Geological Society, London, Special Publications, 446, <http://doi.org/10.1144/SP446.3>
- √ Mingari L., Collini E., Folch A., Báez W., Bustos E., Osoreos S., Reckziegel F., Alexander P., Viramonte J.G. 2017. Numerical simulations of windblown dust over complex terrain : the Fiambalá Basin episode in June 2015. Atmos. Chem. Phys., 17, 6759-6778.
- √ Beatriz Coira, Suzanne Mahlburg Kay, José G. Viramonte, Robert W. Kay, Claudia Galli. 2018. Origin of late Miocene Peraluminous Mn-rich Garnet-bearing Rhyolitic Ashes in the Andean Foreland (Northern Argentina). JVGR 364 (2018) 20–34.



January 14, 2019.

Prof. Dr. Setsuya Nakada  
Chairman  
Nominating Committee  
IAVCEI

Dear colleague,

This letter is to support the nomination of Dr. José G. Viramonte from Argentina as members of the IAVCEI's Executive Committee.

With best regards,

Guido Giordano  
Department of Science - Geology  
Università Degli Studi Roma Tre | UNIROMA3 ·



MINISTERIO  
DE ECONOMÍA  
Y COMPETITIVIDAD



January 12, 2019.

Prof. Setsuya Nakada

Chair of the Nominating Committee,  
International Association of Volcanology  
and Chemistry of the Earth's Interior (IAVCEI)

Dear colleague,

This letter is to support the nomination of Dr. José G. Viramonte from Argentina as member of the IAVCEI's Executive Committee.

With best regards,

Ramon Ortiz Ramis. Research Professor of the Spanish National Research Council. Institute of Geoscience CSIC - UCM Department of Earth Dynamics and Earth Observation.  
Research Line: Volcanoes



January 15, 2019.

Prof. Dr. Setsuya Nakada  
Chairman  
Nominating Committee  
IAVCEI

Dear Prof. Nakada,

This letter is to support the nomination of Dr. José G. Viramonte from Argentina for consideration to become a member of the IAVCEI's Executive Committee.

With best regards,

Salvatore Inguaggiato  
Senior researcher of Istituto Nazionale di Geofisica e Vulcanologia, Italy  
Professor of Chemistry-Physics, University of Palermo, Italy





UNIVERSIDAD NACIONAL  
AUTÓNOMA DE MÉXICO

## DEPARTAMENTO DE VULCANOLOGÍA

INSTITUTO DE GEOFÍSICA, UNAM  
CORREO ELECTRÓNICO [hugo@geofisica.unam.mx](mailto:hugo@geofisica.unam.mx)  
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DR. HUGO DELGADO GRANADOS  
INVESTIGADOR TITULAR C

January 13, 2019.

Prof. Dr. Setsuya Nakada  
Chairman  
Nominating Committee  
IAVCEI

Dear Prof. Nakada,

I respectfully send this letter to support the nomination of Dr. José G. Viramonte from Argentina to become a member of the 2019-2023 IAVCEI's Executive Committee.

Sincerely yours,

Hugo Delgado Granados