

ALAGE

Asociación Latinoamericana de Geofísica Espacial
Latinoamerican Association of Space Geophysics



Directive:

President:	Dr. Juan Alejandro Valdivia	alejo@macul.ciencias.uchile.cl
Vice-Presidente:	Dr. Clezio Marcos De Nardin	clezio.denardin@inpe.br
Information Secretary:	Dr. Maria Graciela Molina	gmolina@herrera.unt.edu.ar
International Secretary:	Dr. Americo Gonzalez Esparza	americo@igeofisica.unam.mx
Treasurer:	Dr. Marina Stepanova	marina.stepanova@usach.cl

National Representatives:

Argentina:	Dr. Sergio Dasso	sdasso@iafe.uba.ar
Brazil:	Dr. Igo Paulino	igopaulino@gmail.com
Chile:	Dr. Pablo Moya	pablo.moya@ug.uchile.cl)
Costa Rica:	Dr. Francisco Frutos	frutos62@gmail.com
Mexico:	Dr. Pedro Corona-Romero	piter.cr@gmail.com
Peru:	Dr. Danny Scipion	danny.scipion@jro.igp.gob.pe
Puerto Rico:	Dr. Pedrina Terra dos Santos	Pedrina.Santos@ucf.edu
Uruguay:	Dr. Ramón Caraballo	jolinar35@gmail.com
Unites States of America:	Dr. Yaireska Collado Vega	Yaireska.M.ColladoVega@nasa.gov
Venezuela:	Dr. Dinibel Perez	dinibel@gmail.com

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The agenda will include:

- 1)- Report of the ALAGE
 - a)President
 - b)Information Secretary
 - c)Treasurer
- 2) Proposals to be considered by the Assembly
- 3) Report of the President of the Local Organizing Committee
- 4) Presentation of the winners of the Roberto Manzano prize
- 5) Selection of the next COLAGE venue
- 6) New list of the National Representatives??
- 7) Election of the new Directory Board

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It has been a difficult couple of years, with a lot of uncertainties about the future

Conference shows that the ALAGE community is quite active and vibrant

- **127 poster**
- **56 orals**
- **204 Registered**

→ a lot of new young researchers, students, etc.

- **Women: 52 (30%)**
- **Men: 121 (70%)**

How to incentive women to follow careers in space geophysics? (ALAGE members)

- **“Space for Women” of UN Copuous, INPE (Clezio), United Arabic Emirates**
- **LAGO collaboration for women in Science (M. Graciela, Adriana Gulisano)**

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International:

The Space Weather Group of the United Nations recognized ALAGE as an organization that does relevant space weather research

→ we were able to provide to the The Space Weather Group the community contributions thanks to fluid communications with members and representatives

We need to strengthen and support Latinoamerican space geophysics collaborations within the community (lots to contribute)

→ after a long and hard work, we are signing a scientific collaboration agreement among four Latinoamerican institutions (UBA, UNAM, INPE, UChile) to collaborate on space weather studies. It took a long time, specially during the Pandemic, and the idea is to eventually incorporate others institutions.

→ should be done for the other areas also!!!

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1B) Information (Graciela):

- Communication, social networks, etc.
- She was able to organize webpage, active social networks
 - keep fluid communication with members and representatives
 - allowed us to keep communication with the community during this time
 - Allow us to organize this COLAGE2021!

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1C) Treasurer (Marina) → Financials

INGRESOS			
FROM XI COLAGE	4713	Entregados por Sergio	
	100	Entregados a Marina	
Ganancias bancarias	130,42		
Total	4943,42		
Gastos Pago Blanca's Dotster server			
06/09/2018	45	Basic housing plan	
06/09/2018	17,49	Renew	
23/09/2019	52,47	Renew 3 years	
Total	114,96		
Balance	4828,46		

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2) 22 new scientists have become regular members:

Nahuel	Andrés	Argentina	Researcher
Onyinye Gift	Nwankwo	Brazil	MsC student
Miguel	Martínez Le	Chile	Researcher
Vanina	Lanabere	Argentina	PhD student
Jorge	Samanes	Perú	Researcher
Miguel Ángel	Rojas-Quesada	Costa Rica	MsC student
Pamela Carolina	Pesántez Ca	Ecuador	Senior Resea
M. Gabriela	Nicora	Argentina	Researcher
Giorgio	Picanço	Brazil	PhD student
Constanza Inés	Villagrán Asi	Argentina	PhD student
Eduardo	Macho	Brazil	PhD student
Victor Adetayo	Eyelade	Chile	PhD student
Eduardo	Flández	Chile	MsC student
Victor	Pinto	United States	Postdoctoral
Roberto	Navarro	Chile	Researcher
Daniel	Hermosilla	Chile	MsC student
Noelia	Santos	Argentina	PhD student
Víctor	Muñoz	Chile	Researcher
Felipe	Meza	Costa Rica	PhD student
Enrique	Rojas Villalb	Estados Unidos	Researcher
BRIANS CHINONSO	AMADI	Brazil	PhD student

Article 5. ALAGE members include the following categories: i) Regular Members: Scientists active in space geophysics, residents of a country in Latin America or whose work is relevant to the region, approved by the Directive Board and based on the personal application of candidates. ii) Student-Members: Postgraduate students approved by the Directive Board based on recommendations of Regular Members. iii) Honorary Members: internationally renowned scientists, who in the irrespctive countries have shown special interest in relevant programs in Latin America, proposed by the Directive Board and approved by the General Assembly. iv) Sponsoring Members: Institutions or individuals who have provided a significant funding and support to the functioning of the administration and/or ALAGE activities proposed by the Directive Board and designated by General Assembly .

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3) Report of the President of the Local Organizing Committee

Excellent work by the Conveners:

Abraham Chian
Americo Gonzalez Esparsa
Clezio De Nardin
Cristina Mandrini
Cristobal Espinoza
Daniel Gomez
Juan Alejandro Valdivia
Laysa Resende
Marco Milla
Maria Graciela Molina
Marina Stepanova
Maria Sergeeva
Ramón Caraballo
Roberto Navarro
Sergio Dasso
Yenca Migoya Orue

UAdelaide, Australia
UNAM, Mexico
INPE, Brasil
UBA, Argentina
USACH, Chile
UBA, Argentina
UCHILE, Chile
INPE, Brazil
PUCP, Peru
UNT, Argentina
USACH, Chile
UNAM, Mexico
UNAM, Mexico
UDEC, Chile
UBA, Argentina
ICTP, Italia

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Special thanks to Cristina Sanhueza, Rafael Medina, Nicolas Zuñiga, Roberto Navarro, Sebastian Carrasco

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Country	O/M	O/W	P/M	P/W	TOTAL
Argentina	3	6	25	7	41
Brasil	6	4	11	5	26
Canada		1			1
Chile	4	6	27	4	41
China	3	2	1		6
Czech Rep.			1		1
Colombia	1				1
Costa Rica	2	1			3
Croatia		1			1
Ecuador				2	2
France	1				1
Germany	1				1
India			1		1
Mexico	5	1	11	6	23
Nigeria		1			1
Paraguay	1				1
Peru		1	14	4	19
Puerto Rico			1		1
Sweden	1				1
Uganda			1		1
United Kindom		1			1
United States	4	2	3		9
Uruguay			1		1
TOTAL	32	27	97	28	184

Around 70 presentations
 have more than one country

Most popular countries
 outside Latin America:

- USA
- UK
- Japan
- Italy
- China
- Belgium
- France
- Spain

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4) Presentation of the winners of the Roberto Manzano prize (by conveners)... best student presentation

Session 1:

a) **Elizabeth Manobanda:** STATISTICAL ANALYSIS OF PSEUDO-LOCAL PROPERTIES IN TURBULENT SPACE PLASMAS USING 3D NUMERICAL SIMULATIONS

Session 2:

a) **Jania Newton Bosch:** THE INFLUENCE OF THUNDERSTORMS ON COSMIC RAYS DETECTED BY THE SOLAR NEUTRON TELESCOPE IN SIERRA NEGRA

b) **Diego Lloveras:** VALIDATION OF THE ENERGY QUANTITIES OF THE MHD AWSOM MODEL IN THE LOW CORONA USING EUV TOMOGRAPHY

Session 3:

a) **Belen Acosta:** ANALYZE THE IRREVERSIBILITY OF SOLAR WIND MAGNETIC FLUCTUATIONS USING COMPLEX NETWORKS

Session 4:

a) **Felipe Meza Obando:** "Generation of Space Weather Synthetic Data based on Machine Learnig Approaches"

b) **Christopher Lara:** "On the Relation Between The Ocurrance of PC5 ULF Waves In The Magntosphere and the Evolution of the Radiation Belt"

c) **Jorge Namour (special mention):** "Data Science for Space Weather Services in Argentina"

Session 5:

a) **Reynaldo Rojas:** FORECASTING RADAR-OBSERVED EQUATORIAL SPREAD F

→ Increase the relevance of poster sessions
and interaction among students and scientists, on equal footing as oral sessions.

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5) Selection of the next COLAGE venue

- I **COLAGE:** 21-25 November 1988 Aguas de Lindóia, SP, Brasil
- II **COLAGE:** 7-11 July 1991, Cuernavaca, México
- III **COLAGE:** 1-5 November 1993, La Habana, Cuba
- IV **COLAGE:** 22-26 April 1996, San Miguel de Tucumán, Argentina
- V **COLAGE:** 3-7 November 1998, San José, Costa Rica
- VI **COLAGE:** 1-5 October 2001, Tomé, Chile
- VII **COLAGE:** 29 March to 2 April 2004, Atibaia, SP, Brasil
- VIII **COLAGE:** 11-17 July 2007, Mérida, México
- IX **COLAGE:** 5 - 10 April 2011, Puntarenas, Costa Rica. In honor to Mario Acuña
- X **COLAGE:** 8-12 September 2014, Cusco, Perú: http://jro.igp.gob.pe/x_colage/
- XI **COLAGE:** 15 - 20 April 2018, Buenos Aires, Argentina: <http://www.iafe.uba.ar/colage11/>
- XII **COLAGE:** 22 – 26 November 2021, Online Chile: <https://ccc.ciencias.uchile.cl/2021colage/index.php>

- XIII **COLAGE** → **Brazil 39/44 Votes Yes (of 44 present).**

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6) New list of the National Representatives??

National Representatives (current):

Argentina:	Dr. Sergio Dasso	(sdasso@iafe.uba.ar)
Brazil:	Dr. Igo Paulino	(igopaulino@gmail.com)
Chile:	Dr. Pablo Moya	(pablo.moya@ug.uchile.cl)
Costa Rica:	Dr. Francisco Frutos	(frutos62@gmail.com)
Mexico:	Dr. Pedro Corona-Romero	(piter.cr@gmail.com)
Peru:	Dr. Danny Scipion	(danny.scipion@jro.igp.gob.pe)
Puerto Rico:	Dr. Pedrina Terra dos Santos	(Pedrina.Santos@ucf.edu)
Uruguay:	Dr. Ramón Caraballo	(jolinar35@gmail.com)
Unites States of America:	Dr. Yaireska Collado Vega	(Yaireska.M.ColladoVega@nasa.gov)
Venezuela:	Dr. Dinibel Perez	(dinibel@gmail.com)

Student representative from each country?

- self-organize in conjunction with National Representatives?
- give feedback on a number of issues, keep communication between ALAGE and students

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Other ideas, comments, etc.?

- 1) Vote to do a revision of the by-laws by a commission formed by the next directive that will bring a proposal by the next assembly
29/42 votes, approved.**

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7) Election of the new Directory Board → please propose names for

Vice-president, Information secretary, International secretary, Treasurer (local):

Vote: agree with the tradition way of voting for Vice-president, Information secretary, International secretary, and allow President to Choose treasurer.

Vote: 25/39 Approved!

Article 9. The Directive Board is the government entity between General Assemblies. Its affairs will be treated mainly through correspondence, but will convene at least once after being elected and another before the next General Assembly. Will consist of: i) President , ii) A **Vice-President, who will be the Elected President for the subsequent period.** iii) A Information Secretary iv) An International Secretary v) A Treasurer

Article 18. The President and the Vice-President cannot be elected at the end of their duties. **The Secretaries and the Treasurer of the Directive Board may be reelected only once consecutively.**

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7) Election of the new Directory Board → please propose names for

Vice-president: Americo Gonzalez Esparza	33/38	Approved
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Information secretary: Maria Graciela Molina	27/37	Approved
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International secretary: Marco Milla	25/37	Approved
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Treasurer: Juliano Moro (selected by President)

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Thank you very much

It has been a difficult period of time

We are happy to see you and talk to you again

... even if it is in a virtual manner!!!!