

Conferință invitată/plenară/keynote prezentată la o manifestare științifică internațională — 2012 —

1. Demetrescu C., Dobrică V., On the magnetosphere response to heliospheric activity, *Asia Oceania Geosciences Society (AOGS) Assembly*, Singapore, 13-17 August 2012 (invited)
2. Mierla, M., Feng, L., Rodriguez, L., Chifu, I., Inhester, B., 3D reconstruction of coronal mass ejections: where are we?, in *Solar Information processing workshop VI*, Bozeman, USA, 13-16 august 2012, (invited)
3. Demetrescu, C. Dobrică V., Mariș G., On the climate of the solar – terrestrial space, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012 (invited)
4. Besliu-Ionescu, D., Seismic emission from solar flares, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012 (invited)
5. Mierlă, M., Slow solar wind, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012 (invited)

Comunicări orale prezentate la o manifestare științifică internațională

- Maris G., Maris O., Mierla M., Oprea C., Stere O.**, Sources and Complexity of the Geomagnetic Super-Storms during the Maximum Phase of Solar Cycle 23, *Workshop on “Final results of the COST Action ES0803”*, Prague, 13-14 March 2012;
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.**, Computational Fluid Dynamics in Solid Earth Sciences – an HPC Challenge, *3rd International Supercomputing Conference in Mexico (ISUM)*, Guanajuato, Mexico, 14-16 March 2012
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.**, A parallelized tracer code for CFD Simulation in Earth Sciences, *3rd International Supercomputing Conference in Mexico. Where supercomputing Science and Technologies Meet, S09 (ISUM)*, Guanajuato, Mexico, 14-16 March 2012
- Manea, V.C., Manea, M.**, 2012. Geodynamic Modeling of Flat Slab subduction. *The Geological Society of America, Cordilleran Section*, Paper # 201586, pp. 65, 29-31 March 2012.
- Demetrescu C., Dobrică V., Ștefan C.**, On the evolution of high-frequency ingredients of the secular variation and of their expression at core surface, as inferred from observatory data and main field models, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Dobrică V., Demetrescu C., Greculeasa R.**, On the crustal bias of repeat stations in Romania, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Greculeasa R., Dobrică V., Demetrescu C.**, The Romanian network of repeat stations. Methodological aspects 2009-2011. *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Ștefan C., Dobrică V., Demetrescu C.**, On the ~80-year variation of the core surface geomagnetic field. Derivation and characteristics, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Demetrescu C., Dobrică V.**, On the long-term evolution of the PC index, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Dobrică V., Șuțeanu C., Demetrescu C.**, Solar/geomagnetic signature in climate parameters. A comparative analysis of the temperature evolution in Atlantic Canada and Central Eastern Europe, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012

- Șuțeanu C., Dobrică V., Demetrescu C., Space time variability in scaling aspects of surface air temperature records, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Stanica D., Stanica D.A.**, Low frequency anomalous pre-seismic behavior of the electromagnetic normalized functions related to the sub-crustal earthquakes (Vrancea-Romania), *Geophysical Research Abstracts Vol.14, EGU2012, ISSN: 1029-7006, European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Stanica D.A.**, Electromagnetic ground-based measuring system used for the near real-time hazard level assessment of the earthquake-induced landslides), *EGU, Geophysical Research Abstracts Vol.14, ISSN: 1029-7006, European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Manea V.C., Manea M., Pomeran M., Besutiu L., Zlagnean L.**, High Performance Computing in the Solid Earth Sciences, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Besutiu L.**, New insights on the deep geodynamic processes within Vrancea active seismic zone as inferred from non - tidal gravity changes, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Korhonen, J. & GTK team (S. Aaro, T. All, **L. Besutiu**, M. Catalan, E. Daudi, J. Erincheck, R. Forsberg, R. Frese, G. Gabriel, C. Gaina, M. Ghidella, V. Glebovsky, A. Golinsky, T. Ishihara, A. Katumwehe, E. Krasinski, L. Kristjansson, T. Litvinova, G. Martelet, J. Matzka, S. Maus, P. Milligan, A. Olesen, O. Olesen, M. Orlyuk, O. Petrov, Y. Quesnel, T. Rasmussen, D. Ravat, C. Reeves, C. Royles, R. Saltus), Basic Compilation of WDMAM Data Contributions, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Iatan, E., L., Popescu, C., Gh.**, Preliminary mineralogical data on epithermal ore veins associated with Rosia Poieni porphyry copper deposit, Apuseni Mountains, Romania, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Iatan, E., L., and Berbeleac, I.**, Preliminary fluid inclusions study in the Bucium Rodu-Frasin Neogene volcanic structure, Metaliferi Mountains, Romania, *European Geosciences Union (EGU) General Assembly*, Vienna, Austria, 22-27 April 2012
- Paraschiv A. R., Lacatus D. A.**, Coronal Jet contribution to the Slow Solar Wind Flux, based on STEREO/SECCHI data, *19th Young Scientists' Conference on Astronomy and Space Physics*, 2012, Kyiv, Ukraine, April 23-28.
- Paraschiv A. R., Lacatus D. A.**, Simulating Peculiar X-shaped Extragalactic Radio Sources, *19th Young Scientists' Conference on Astronomy and Space Physics*, Kyiv, Ukraine, April 23-28, 2012.
- Paraschiv A. R., Lacatus D. A.**, Data Mining the SuprimeCam Archive for Near Earth Asteroids, Asteroids, Comets, Meteors (*ACM*) 2012, 16 - 20 May, 2012, Niigata, Japan.
- Besutiu L.**, Seismic hazard within SE Carpathians and related foreland in the geodynamic context of the Black Sea opening, *First International Conference on Moldavian Risks- From global to local scale*, Bacau, Romania, 16-19 May 2012
- Pomeran M., Manea V.C., Manea M., Besutiu L., Zlagnean L.**, Cyberdyn: A state-of-the-art supercomputer for geodynamic modeling of actively seismic zones, *First International Conference on Moldavian Risks- From global to local scale*, Bacau, Romania, 16-19 May 2012
- Demetrescu C., Dobrică V.**, Space climate characterization of the heliosphere-magnetosphere environment, *First International Conference on Moldavian Risks – From Global to Local scale*, Bacău, Romania, 16-19 May 2012
- Dobrică V., Demetrescu C.**, Long-term changes in the Romanian climate, *First International*

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- Seghedi I., Szakács A.**, Plio-Pleistocene connections Between the Vrancea Seismic Zone and the southern end of the Harghita Volcanic chain, East Carpathians, *First International Conference on Moldavian Risks – From Global to Local Scale*, Bacău, Romania, 16-19 May 2012
- Szakács A., Seghedi I.**, The relevance of volcanic hazard in Romania: Is there any?“, *First International Conference on Moldavian Risks – From Global to Local Scale*, Bacău, Romania, 16-19 May 2012
- Seghedi I.**, Miocene-Quaternary basalts from East Carpathian volcanic chain, Romania: a mineral chemistry and melt inclusion study, Stip, Macedonia, *SCOPE Project: Conference –Diversity of copper and gold deposits in the Eastern Europe, Balkans, Carpathians and Rhodope belts: tectonic, magmatic and geochronologic investigations*, May 29 - June 02, 2012
- Gallhofer D., von Quadt A., **Seghedi I.**, Peycheva I., Heinrich Ch.A., Geodynamics, geochronology and Cu-Au hydrothermal ore provinces in the Banat region and Apuseni Mountains, Stip, Macedonia, *SCOPE Project: Conference –Diversity of copper and gold deposits in the Eastern Europe, Balkans, Carpathians and Rhodope belts: tectonic, magmatic and geochronologic investigations*, May 29 - June 02, 2012
- Maris G., Maris O., Mierla M., Oprea C., Stere O.**, Geomagnetic super-storms during the maximum phase of solar cycle 23, *The Fourth Workshop on Solar Influences on Magnetosphere, Ionosphere and Atmosphere*, Sozopol, Bulgaria, 4-8 June 2012
- Demetrescu C., Dobrică V.**, Features of space climate seen in the solar system -heliospheric-magnetosphere, *The Fourth Workshop on Solar Influences on Magnetosphere, Ionosphere and Atmosphere*, Sozopol, Bulgaria, 4-8 June 2012
- Besutiu L., Zlagnan L., Atanasiu L.**, The geomagnetic mapping of the Romanian Territory in the context of WDMAM Project, 7th *EURGEO*, Bologna, Italy, 12-15 June 2012
- Dobrică V., Demetrescu C., Ștefan C.**, Long-term variations of the 20th century European climate. Solar/geomagnetic signals. *Asia Oceania Geosciences Society (AOGS) Assembly*, Singapore, 13-17 August 2012
- Oprea C., Maris G., Maris O., Stere O.**, Geomagnetic storm features during the last prolonged solar minimum, *Asia Oceania Geosciences Society (AOGS) Assembly*, Singapore, 13-17 August 2012
- Stanica D., Stanica D.A.**, Pre-seismic ULF Geomagnetic Signature Related to the M9 Great Tohoku Earthquake on March 11, 2011, Abstract at *Asia Oceania Geosciences Society (AOGS) Assembly*, Singapore, 13-17 August 2012
- Iatan, E., L., Popescu, C., Gh., Guy, B.**, Preliminary data on Au-Ag mineralization from Rosia Montana epithermal deposit, Apuseni Mountains, Romania. *European Mineralogical Conference*, Frankfurt, Germany, 2-6 September 2012
- Dobrică V., Șuțeanu C., Demetrescu C.**, Long-term timescale interactions between solar/geomagnetic activity and European climate, *European Meteorological Society (EMS) Assembly*, Lodz, Poland, 9-14 September, 2012
- Paraschiv A. R., Lacatus D. A.**, Internal characteristics of magnetic clouds at 1 AU, *Fifth Solar Orbiter Workshop*, Brugge, Belgium, 10 – 14 September, 2012
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- Berbeleac, I., **Radulescu, V., Iatan, E., L., Visan, M.**, Relationships between crustal faults, shallow magmatic chamber and Neogene porphyry Cu-Au systems at Voia, Metaliferi Mts., Romania. *Eight International Symposium of Economic Geology*, Brad, Romania, 13-16 September 2012
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- Dobrică V., Demetrescu C.**, Long-term solar and geomagnetic activity. Consequences on the terrestrial climate at regional scale, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
- Mierla M., Oprea, C., Srivastava, N., Rodriguez, L., Besliu-Ionescu, D., Stere, O., Maris Muntean, G.**, Empirical model for predicting the occurrence of major geomagnetic storms during sc23, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
- Mierla, M.**, Slow solar wind, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
- Greculeasa R., Dobrică V., Demetrescu C.**, Sources of geomagnetic activity at local scale. Case study – European observatory, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
- Ștefan C., Dobrică V., Demetrescu C.**, The evolution of the Earth's magnetic moment in the last 400 years. Consequences on the magnetopause standoff distance, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
- Paraschiv A. R., Lacatus D. A.**, Studies of CMEs causing geomagnetic storms in the period 2007-2011, *International Conference on Solar and Heliospheric Influences on the Geospace*, Bucharest, Romania, 1-5 October 2012
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- Manea, V.C.**, **Manea, M.**, Bonasia, R., and Capra, L., Supercomputing Infrastructure for the study of Active Volcanoes in Mexico. *Cities on volcanoes 7th.* Colima, Mexico, 19-23 Nov. 2012.
- Demetrescu C.**, **Dobrică V.**, **Ștefan C.** , Long-term evolution of high-frequency ingredients of ingredients of the core surface field, *Fall Meeting of the American Geophysical Union (AGU)*, San Francisco, 3-7 December 2012
- Dobrică, V.** **Demetrescu C.**, On the evolution of precipitation in Central and South-Eastern Europe and the relationship with Lower Danube discharge, *Fall Meeting of the American Geophysical Union (AGU)*, San Francisco, 3-7 December 2012