EMSEV 2018 International Workshop

Integrating Geophysical Observations from Ground to Space for Earthquake and Volcano Investigations

Potenza, Italy, September 17-21, 2018

Monday September 17, 2018

10:30 - 11:30	Press Conference (Potenza City Hall – Sala dell'Arco)
17:00 - 21:30	REGISTRATION (Grande Albergo)
20:00 - 22:30	Ice Breaker (Grande Albergo Terrace)

Tuesday September 18, 2018

8:30 - 9:30	REGISTRATION (Grande Albergo – Hall)	
	Opening Ceremony(Francesco Stabile Theatre)	**Francesco Stabile Theatre**
9:30 - 10:00	**EMSEV2018 Welcome Speeches**(chair Valerio Tramutoli, UNIBAS) Dario De Luca (Major of the City) Aurelia Sole (Rector of University of Basilicata) Vincenzo Lapenna (Director of IMAA-CNR) Seiya Uyeda(first EMSEV chair, video message)	
10:10 -11:00	**EMSEV Past and Future (Round Table)** Vincenzo Cuomo, CNR, SPIN-IT (moderator) Malcolm Johnston,United States Geological Survey Antonio Meloni, Istituto Nazionale di Geofisica e Vulcanologia Domenico Patella, Università di Napoli Federico II	
11:00 -11:50	**Honorary Invited Speakers**(chair Nicola Pergola, IMAA-CNR) Roberto Battiston (President of Italian Space Agency) Carlo Doglioni(President of INGV) **EMSEV 2018 Official Opening** Jaques Zlotnicki (EMSEV Chairperson)	
12:00 - 13:30	Light Lunch	
Session 1	**SAT1 - Investigation of active faults and volcanoes based on satellite remote sensing** (chair R. Battiston)	**Archeological Museum Dinu Adamesteanu - Sala del Cortile (Registration continues in Aula Didattica)**
14:00 - 14:30	**X. Shen,** S. Yuan, J. Huang, X. Zhu, X. Zhang, Y. Yang, S. Zhao(**solicited**) *Preliminary Results of the CSES Mission*	
14:30 - 14:45	**M. Bonano**, F. Casu, C. De Luca, R. Lanari, M. Manunta From ERS-1 to *Sentinel-1: 25 years of radar interferometry investigations on the Neapolitan active volcanic*	
14:45 - 15:00	**N. Genzano**, C. Filizzola, M. Lisi, N. Pergola, V. Tramutoli *On the potential of Robust Satellite Techniques (RST) to investigate TIR signatures associated to impending earthquakes*	
15:00 - 15:15	**L. Conti**, G. Ambrosi, R. Battiston, A. Contin, A. De Santis, C. De Santis, R. Iuppa, G. Osteria, P. Picozza, M. Ricci, R. Sparvoli, P. Ubertini, S. Zoffoli, CSES-LIMADOU Collaboration *HEPD: the instrument, the first data and the analysis method for investigating seismo-associated perturbations*	
15:15 –15:30	Group Photo at the Museum outside entrance	
15:30 - 15:50	Coffee Break and Poster Session (Sala del Campanile)	
Session 2	**CSES: Mission concept and preliminary results** (chair X. Shen)	
15:50 - 16:05	**X. Zhang**, S. Zhao, X. Ouyang, Z. Zeren, Y. Wu, Y. Wang, X. Shen, J.Huang (**solicited**) *The new application results on CSES*	
16:05 - 16:15	**Q. Wang**, L. Zeng, J. Huang *The preliminary results of the search coil magnetometer (SCM) onboard the CSES*	
16:15 - 16:25	**R. Yan**, X. Shen, J. Huang, Y. Guan, C. Liu *The Langmuir Probe Onboard ZH-1: inversion analysis method and preliminary results*	

16:25 - 16:35	**J. Huang**, W. Li, S. Zhao *Electric response to ground-based signals*	
16:35 - 16:45	**H. Lu**, S. Zhao, J. Huang, X.Shen *The introduction of data processing and products of the Tri-Band Beacon onboard the China Seismo-electromagnetic Satellite (CSES)*	
16:45 - 16:55	**K. Schwingenschuh**, G. Prattes, W. Magnes, X. Shen, J. Wang, A. Pollinger, Ch. Hagen, R. Lammegger, M. Ellmeier, H.U. Eichelberger, D. Wolbang, M.Y. Boudjada, B.P. Besser, A.A. Rozhnoi, M. Delva, I. Jernej, Ö. Aydogar, R. Leonhardt *Seismo-magnetic measurements from the Coupled Dark State Magnetometer (CDSM) aboard the CSES mission*	
16:55 - 17:10	**Open Discussion on CSES international collaboration**	
Poster Flash Presentation 1	**PFP1: Short (2 min) Oral Presentations of Posters Block 1**	
17:15 –18:30	**Presentations of Posters Block 1**(chair A. De Santis)	
21:00 - 22:30	Social event: Concert Band Comune di Potenza (F. Stabile Theatre)	

Wednesday September 19, 2018

Session 3	**ELM1: Electromagnetic methods for seismicity and volcano monitoring** (Chair M. Johnston)	**Archeological Museum Dinu Adamesteanu - Sala del Cortile (Registration continues in Aula Didattica)**
9:00 - 9:20	**J. Zlotnicki**, G. Vargemezis, J.L. Le Mouël (**solicited**) *Volcanic activity over 40 years of la Soufrière of Guadeloupe inferred by electromagnetic studies. Teaching for other volcanoes*	
9:20 - 9:35	**G. Anagnostopoulos**, A. Karli, A. Rigas, I. Spyroglou *Space Weather and Seismicity (1993-2015)*	
9:35 - 9:50	**G. Calamita**, J. Bellanova, L. Chiauzzi, M.R. Gallipoli, A. Masi, A. Perrone, S. Piscitelli, G. Santarsiero, T.A. Stabile, L. Vignola *Integration of geophysical and engineering analysis of the possible causes of different damage observed after the 2016 Central Italy Earthquakes: the case of Pescara del Tronto and Vezzano villages*	
9:50 - 10:05	**K.N. Kappler,** T.B. Bleier, L.S. MacLean, D.D. Schneider *Quality Assessment of Long Term Magnetometer Array Data: Lessons Learned from the QuakeFinder Dataset*	
10:05 - 10:20	**V. Giampaolo**, L. Capozzoli, E. Rizzo *New Deep Electrical Resistivity Tomography in the High Agri Valley basin (Basilicata, Southern Italy)*	
10:20 - 10:40	Coffee Break and Poster Session (Sala del Campanile)	
Session 4	**TLS1: Theoretical and laboratory studies for understanding seismic and volcanic phenomena** (Chair J. Zlotnicki)	
10:40 -11:00	**K. Hu**, Q. Huang (**solicited**) *Landslide monitoring test based on self-potential method*	
11:00 -11:15	**M.J.S. Johnston** *Self-potential, Ground-tilt and Infra-Red Emission Associated with Geyser Eruptions: Implications for Monitoring Volcanic Activity*	
11:15 - 11:30	**I. Catapano**, N. Cavalagli, F. Ubertini, F. Soldovieri, G. Padeletti *Integrated GPR and Structural surveys at the Consoli Palace of Gubbio (Italy)*	
11:30 - 11:45	**R. Mollica**, R. de Franco, G. Caielli, G. Boniolo, G.B. Crosta, R. Castellanza, A. Villa, A. Motti *Micro-ERT laboratory measurements for seismic liquefaction study*	
11:45 - 12:00	M. Balasco, G. Romano, **A. Siniscalchi**, S. Tripaldi *Active seismo-electromagnetic experiment in the Solfatara crater (Campi Flegrei, Italy*)	
12:00 - 12:15	**M. Fedi**	

	Modeling of gravity and magnetic anomalies to reduce the general geophysical ambiguity	
12:15 - 12:35	**Open Discussion ELM1 – TLS1**	
12:45 - 14:15	Lunch (Grande Albergo)	
Session 5	**SAT2 - Satellite observations for volcanic and seismic hazard assessment and monitoring** (Chair F. Vallianatos)	
14:15 -14:35	**R. Lanari**(**solicited**) *New perspectives on regional and national scale surface deformation analysis through advanced space-borne radar interferometry techniques*	
14:35 - 14:50	**F. Marchese**, A. Falconieri, T. Lacava, G. Mazzeo, N. Pergola, V. Tramutoli *Monitoring Mt. Etna thermal activity by means of RSTVOLC system*	
14:50 - 15:05	**Y. Cheng**, Z. Zhou, X. Wan, J. Huang, J. Han *Result analysis on electron density inverted by GNSS occultation of CSES*	
15:05 - 15:20	**K. Zhu**, M. Fan, K. Li, C. Chi, Z. Yu *Research on electron density of Swarm satellites based on DWT*	
15:20 - 15:35	**A. De Santis**, D. Marchetti, G. Cianchini, R. Di Giovambattista, L. Perrone, A. Piscini, A. Ippolito, C. Cesaroni, L. Spogli *Swarm satellite constellation to study the possible effect of large earthquakes to the ionosphere*	
15:35 - 15:50	**C. Fidani** *Correlations between VAB electron loss detected by NOAA and strong seismic activity used to improve forecasting of M≥6 earthquakes*	
15:50 - 16:10	Coffee Break and Poster Session (Sala del Campanile)	
Session 6	**MP1 - Earthquake and volcano related phenomena investigation by multidisciplinary and multi-parametric approaches** (Chair N. Pergola)	
16:10 -16:30	**S. Pulinets**, D. Ouzounov (**solicited**) *Intergeospheres interaction as a source of earthquake precursor's generation*	
16:30 - 16:45	**S.M. Potirakis,** Y. Contoyiannis, T. Asano, A. Schekotov, M. Hayakawa, K. Eftaxias *Compatibility of different electromagnetic precursors in terms of critical dynamics*	
16:45 - 17:00	G. Currenti, **R. Napoli** *A multidisciplinary geophysical approach to unravel geothermal processes in volcanic areas*	
17:00 - 17:15	F. Jing, **R.P. Singh** *Characteristics of Optical and Microwave responses of land and meteorological parameters Associated with Earthquakes*	
17:15 - 17:30	V. Marchitelli, **P. Harabaglia,** C. Troise, G. De Natale *Earthquakes And Solar Trigger*	
Poster Flash Presentation 2	**PFP2: Short (2 min) Oral Presentations of Posters Block 2**	
17:30 - 18:30	**Presentations of Posters Block 2**(chair R. Singh)	
18:30 - 18:45	**Open discussion (SAT2 - MP1)**	
18:45 - 19:30	Guided visit to the Archeological Museum D. Adamesteanu (on request) – Pretoria music happening (Potenza - Via Pretoria)	
20:00 - 20:20	Transfer to Vaglio di Basilicata (buses leaving from Grande Albergo)	
20:30 - 23:00	Social dinner (traditional Lucan food,)	

Thursday September 20, 2018

Session 7	**MIA1: Magnetospheric, ionospheric and atmospheric phenomena associated with seismic activities** (Chair K. Hattori)	**Archeological Museum Dinu Adamesteanu - Sala del Cortile (Registration continues in Aula Didattica)**
9:00 - 9:20	**J.Y. Liu,** iSTEP/CAPE groups (**solicited**) *Seismo-ionospheric precursors of the 2017 M7.3 Iran-Iraq Border Earthquake and the 2018 M5.9 Osaka Earthquake observed by FORMOSAT-5/AIP*	
9:20 - 9:35	**V.M. Sorokin**, A.K. Yashchenko, V.V. Surkov *Model for generation of geomagnetic perturbation in the ionosphere due to tsunami*	
9:35 - 9:50	**K. Umeno**, S. Goto, R. Uchida, K. Igarashi, C.H. Chen *Pre-seismic Ionospheric Anomalies Detected Before the 2016 Taiwan Earthquake with M=6.4*	
9:50 - 10:05	**M. Devi**, S. Patgiri, A.K. Barbara, V. Depuev, A. Depueva. Yu. Ruzhin *Perturbation features imprinted on ionosphere by successive clusters of strong earthquakes with epicenters in the East-West Pacific zone: Role of atmospheric coupling dynamics*	
10:05 - 10:20	**M. Kamogawa**, T. Nagao, Y. Orihara *A tsunami early warning system using GNSS-TEC data*	
10:20 - 10:35	Coffee Break and Poster Session (Sala del Campanile)	
Session 8	**ELM2 - Electromagnetic signals associated with earthquakes and volcanic eruptions** (Chair P.F. Biagi)	
10:35 -10:55	**T. Nagao**, J. Izutsu, M. Kamogawa, Y. Orihara, S. Sugiura H. Kondo (**solicited**) *Electromagnetic observation addressed to the short-term earthquake prediction research in VLF band*	
10:55 - 11:15	**Su. Choudhary**, A.K.Gwal, G.Lather, R. Gour, J. Lohiya *Investigation of Very Low Frequency range of radio waves for the sub-ionospheric perturbations associate with Turkey earthquakes*	
11:15 - 11:30	**Yu. Ruzhin**, V.M. Sorokin *Progress in VHF pre-seismic emission studies*	
11:30 - 11:45	**J. Zhang**, X. Li, C. Li, Z. Li, P. Du, G. Liu, X. Zhu, X. Yuan *The Data Quality Evaluation System for China Seismo-Electromagnetic Satellite*	
11:45 - 12:00	**Open discussion (MIA1 - ELM2)**	
12:15 - 13:45	Lunch (Grande Albergo)	
14:00 - 15:00	Transfer to Agri Valley (leaving from Grande Albergo)	
15:00 - 17:30	Technical tour (Agri Valley)	
17:30 -18:00	Arrival and refreshment in Marsico Nuovo (Parco)	
18:00 - 19:00	Special Session on **Research activities in Agri Valley** **G. Martinelli**, *Ground based geochemical and geophysical monitoring in Southern Apennines oriented to earthquake precursors researches* **T. Stabile**, *The High Agri Valley Geophysical Observatory: state of the art and future perspectives* **E. Rizzo**, *Hydrogeosite Laboratory-CNR-IMAA Activities*	
19:30 - 22:30	Reception at Parco Nazionale dell'Appennino Lucano, Val d'Agri e Lagonegrese	

Friday September 21, 2018

Session 9	**ELM3 - Electromagnetic signals associated with earthquakes and volcanic eruptions** (chair T. Nagao)	
9:00 - 9:20	**N.V. Sarlis,** E.S. Skordas, M.S. Lazaridou-Varotsos, P.A. Varotsos(**solicited**) *A review of recent attempts on natural time analysis as well as on Seismic Electric Signals worldwide*	

9:20 - 9:35	**F. Cervantes-De La Torre**, J.I. Gonzalez-Trejo, C.A. Real-Ramirez*Recurrence plot measures of complexity and its applications to self-potential time series arising from a Mexican seismic zone*	**Archeological Museum - Sala del Cortile (Registration continues in Aula Didattica)**
9:35 - 9:50	**X. Zeng,** Y.Zeng, L.Shi, J. Zeng *Identification and Prediction of Destructive Earthquakes*	
9:50 - 10:05	**K. Hattori**, P. Han *Statistical Analysis and Assessment of ULF Magnetic Signals in Japan as Potential Earthquake Precursors*	
10:05 - 10:20	**Z. Li**, J. Zhang, C. Li, G. Liu, Xi. Zhu, X. Li, P. Du *A Cross-Validation Method for Electromagnetic Sensors on the Same Platform*	
10:20 - 10:35	**Y. Sasai,** P. K. B Alanis, P. Reniva M. Uyeshima, T. Nagao, J. Zlotnicki, M. J. S. Johnston, PHIVOLCS EM Team *Anomalous Changes in the MT impedances during February 2015 Seismo-Volcanic Crisis in Taal Volcano (Philippines): Recurrence of the 2010-2011 Event?*	
10:35 - 11:35	Coffee Break and **Poster Session with authors attendance** (Sala del Campanile)	
11:35 –12:00	**Open discussion**	
12:00 - 12:30	Best Young Researcher Presentation Award AndEMSEV2018 Closing Ceremonies	
12:45 - 14:15	Lunch (Grande Albergo)	
14:00 - 15:30	EMSEV Business meeting (Grande Albergo)	
16:00 -17:00	Transfer to Matera (leaving from Grande Albergo)	
17:00 - 19:30	Post WS tour (guided visit to Matera, 2019 European Capital of Culture)	
20:00 - 22:30	Arrivederci Dinner (Matera)	
22:30 -23:30	Transfer back to Potenza (arrival at Grande Albergo)	

Poster Session Block 1	
P-01	G. Ambrosi, R. Battiston, **L. Conti**, A. Contin, A. De Santis, C. De Santis, R. Iuppa, G. Osteria, P. Picozza, M. Ricci, R. Sparvoli, P. Ubertini, S. Zoffoli, CSES-LIMADOU Collaboration *The Italian contribution to the CSES satellite missions*
P-02	**L. Conti**, R. Ammendola, D. Badoni, I. Bertello, P. Cipollone, C. De Santis, P. Diego, F. Fiorenza, G. Masciantonio, P. Picozza, R. Sparvoli, P. Ubertini, G. Vannaroni, CSES-LIMADOU Collaboration *The Italian electric field detector for space observations*
P-03	**Y.Guan**, A. Zhang, X. Zheng, C. Liu, T. Zheng, W. Wang, L. Kong, J. Ding, Y. Sun *Plasma analyzer package onboard CSES satellite*
P-04	I. Bertello, M. Piersanti, M. Candidi, **P. Diego**, P. Ubertini *Electromagnetic field observations by the DEMETER satellite in connection with the 2009 L'Aquila Earthquake*
P-05	M.N. Efstathiou, P.K. Varotsos *Investigating the possible correlation of atmospheric ozone variability with earthquakes: The case of Greece*
P-06	M.N. Efstathiou, P.K. Varotsos *Is there a precursory signal of the surface air-temperature variability for earthquakes?*
P-07	**A. Falconieri**, F. Marchese, N. Pergola, V. Tramutoli *Investigating volcanic ash phenomena from space by means of Himawari-8 data*
P-08	**M. Kamogawa**, T. Nagao, Y. Orihara, J.J. Berthelier *Origin of Pre-seismic whistler wave intensity attenuation observed by DEMETER satellite*
P-09	**M. Kamogawa**, T. Nagao, Y. Orihara, J.J. Berthelier *D-region ionospheric precursors and its earthquake predictability*
P-10	**Y. Orihara**, M. Kamogawa, Y. Noda, T. Nagao *Are deep-sea fish appearances an earthquake precursor?*
P-11	D. Ouzounov, A. Rozhnoi, **S.Pulinets**, D.Davidenko, M. Solovieva, V. Fedun, A. Srivastava, A. Rybin *Transient Effects in Atmosphere and Ionosphere preceding the 2015 M7.8 and M7.3 Gorkha–Nepal earthquakes*
P-12	D. Ouzounov, **S.Pulinets**, LC. Lee, CC Fu, V.Karastathis, K. Tsinganos, M. Kafatos, N. Hatzopoulos, G.Eleftheriou, K.Hattori *Experimental study of Radon activity associated with pre-earthquake phenomena observed in the Earth atmosphere-ionosphere environment*
P-12bis	D. Ouzounov, S. Pulinets, **J.Y. Liu**, K. Hattori, P. Han *Multi-parameter assessment of pre-earthquake atmospheric-ionospheric signals and their potential for short-term prediction*
P-13	M. Orsini, **C. Fidani** Modelling magnetic pulse swarms that anticipated the 2016 Norcia, and 2017 Capitignano, Central Italy earthquakes
P-14	**C. Fidani** *An electric cloud model for the signals recorded in Central Italy during intense seismic swarms*
P-15	A. Piscini, D. Marchetti, **A. De Santis** *New algorithms as robust procedure for Geohazards climatological precursor assessment*
P-16	D. Marchetti, **A. De Santis**, A. Piscini, S. D'Arcangelo, F. Poggio *Pre-earthquake chain processes in occasion of the 2016-2018 seismic sequence in Central Italy from ground and space observations*
P-17	A. Masi, L. Chiauzzi, **G. Nicodemo** *Integration of field surveys and remote sensing techniques for seismic damage assessment*

P-18	**Sh. Choudhary**, Su. Choudhary *Earthquake Prediction Preparedness and Disaster Management Studies In an Around Nepal Region*
P-19	**M. Balasco**, A.E. Pastoressa, G. Romano, A. Siniscalchi *Application of a robust analysis for the detection and characterization of the Seismo-Electromagnetic Signals observed in Southern Italy*
P-20	**J. Bellanova**, G. Calamita, A. Perrone, I.Gaudiosi, S. Giallini, M. Mancini, M. Moscatelli, F. Polpetta, R. Razzano, M. Simionato, P. Sirianni, G. Sottili, G. Vignaroli, A. Pagliaroli, G. Lanzo, A. Avalle, S. Piscitelli *Geophysical observations for the shallow structure reconstruction of the Stracciacappa maar (Sabatini Volcanic District, central Italy)*
	V.E. Toader, I.A. Moldovan, C. Ionescu, A. Marmureanu *Reliability of precursor phenomena in Vrancea seismic zone*(**withdrawn**)
	N. Inbar, Y. Reuveni, S. Agibayev *Groundwater Electrical Conductivity signal processing and earthquake precursors*(**withdrawn**)
	A. Apostol, I.A. Moldovan, V. Toader, A. Muntean, A. Mihai *Local and regional stress-forecasting from Covasna fault, Romania*(**withdrawn**)

Poster Session Block 2	
P-25	**G. Anagnostopoulos**, A. Karli *Simultaneous Radiation Belt Electron Precipitation and broad band (~1-20kHz) VLF activity in the Ionosphere as an Earthquake precursor*
P-26	**P.F. Biagi**, V.V. Grimalsky, A. Grytsai, V.N. Fedun, A. Krankowski, Yu.G. Rapoport, A. Rozhnoi, M. Solovieva *The new algorithm for the complex modeling of Seismo-Ionospheric Coupling (SIC)* (**withdrawn**)
P-27	**P.F. Biagi,** R. Colella, L. Schiavulli, A. Ermini, M. Boudjada, H. Eichelberger, K. Schwingenschuh, K. Katzis, M. Kachakhidze, M. E. Contadakis, C. Skeberis, I. A. Moldovan, H.G. Silva *The INFREP Cooperation: Recent Results*
P-28	A. Rozhnoi, M. Solovieva, **P.F. Biagi**, M.Y. Boudjada, K. Schwingenschuh, H. U. Eichelberger, M. Hayakawa, V. Fedun *The lower ionospheric perturbations related to the strong earthquakes in Southern Europe in 2014 and 2016*
P-29	I.A. Moldovan**,** C.Oikonomou, A. Muntean, V.E. Toader,**P.F. Biagi**, A. Constantin, D.D. Toma, E. Nastase, A. Moldovan *Investigation of lower ionosphere properties in correlation with Romanian seismic activity using VLF/LF radio waves propagation and GPS/GNSS analysing techniques*
P-30	J. Błęcki, J. Słomiński, **R. Wronowski**, E. Słomińska, R. Haagmans *Disturbances in the ionosphere above seismic and thunderstorm areas- Swarm satellite registrations*
P-31	Y. Chen, **J.Y. Liu** *A study of the correlation between hazard of large aftershocks and GPS TEC measured after the main shock*
P-32	**R. Colonna**, V. Tramutoli *Development and assessment of a robust GPS-TEC data analysis (RSTTEC) for the identification of ionospheric perturbations possibly related to impending earthquakes: the case of L'Aquila (April 6th, 2009, Mw=6.1) earthquake*
P-33	**M.E. Contadakis**, D.N. Arabelos, G.S. Vergos *Observation of the Ionospheric turbulence modulation by intense seismic activity*
P-34	**M. Devi**, A.K. Barbara, A. Depueva *Atmospheric waves as Earthquake Precursive Index*

P-35	**A. Depueva**, V. Depuev, Yu. Ruzhin, M. Devi, A. K. Barbara *Some aspects of low-latitude upper atmosphere response to impact from above and below*
P-36	V. Novikov,**Yu. Ruzhin**, V. Sorokin, A. Yaschenko *Space weather and earthquakes*
P-36bis	V. Zeigarnik, A. Avagimov, V. Novikov, A. Rybin, G. Schelochkov, V. Bragin, V.Sychev, L. Bogomolov, N. Tarasov *On the way to electromagnetic earthquake control: Results of forty-year field and lab experiments on injection of DC electrical pulses into the Earth crust*
P-37	**S.M. Potirakis**, P. Kasnesis, C.Z. Patrikakis, Y. Contoyiannis, N.A. Tatlas, S.A. Mitilineos, T. Asano, M. Hayakawa *A decision making system using Deep Learning for earthquake prediction by means of electromagnetic precursors*
P-38	**V. Spichak**, O. Zakharova, A. Goidina *Constraining seismic sources using electromagnetic geothermometry: Hengill volcano (Iceland) case study*
P-39	**F. Vallianatos**, G. Chatzopoulos *A complexity view into the physics of precursory accelerating seismicity*
P-40	**G. Michas**, J. Makris, F. Vallianatos *Multifractal analysis of telluric time series along the Hellenic Subduction Zone*
P-41	**S. Warden**, T. Bleier, K. Kappler *Long-term air ion monitoring applied to earthquake forecasting*
P-42	**L. Pierotti,** G. Facca, F. Gherardi *Ground geochemical observations for Earthquake and Volcano investigations: the example of the Geochemical Monitoring Network of Tuscany*
P-43	H. Kojima, J. Omura, C. Yoshino, **K. Hattori**, M. Shimo, T. Konishi, R. Furuya, K. Ninagawa, D. Ouzounov *Atmospheric Parameter Measurements for Earthquake Forecast at Kanto,Japan: Case studies for regional earthquakes and the 2018 Boso Slowslip Event*
	Z. Zeng, Y. Deng, Q. Dai, F. Li, G. Hao, Q. Du, V. Sibgatulin *Progress and development trend of comprehensive prediction method for large earthquakes in China*(**withdrawn**)
	R. Čop *Tectonic plate tension as the source of noise in the geomagnetic field, measured at the PIA geomagnetic observatory (Piran, Slovenia)*(**withdrawn**)
	C. Liu, Y.Guan, A. Zhang, X.Zheng, Y. Sun *The Langmuir probe payload on CSES: Scientific Objectives, Methods and Preliminary result* (**withdrawn**)
	D.A. Stănică, **D. Stănică** *Ground-based geomagnetic signature related to the Mw8.1 earthquake (Chiapas, Mexico), on September 8-th 2017* (**withdrawn**)
	P. Dyadkov, A. Duchkova, D. Kuleshov, L. Tsibizov, M. Kozlova, Y. Romanenko *Features of earthquake preparation in the Central and South-Western parts of the Baikal rift according to the tectonomagnetic monitoring data* (**withdrawn**)

Posters (vertical 170x120 cm maximum size) should be set-up since 13:30 on Tuesday 18 September 2018 atthe Archeological Museum "Dinu Adamesteanu" in the Sala del Campanile where all posters will remain exposed until the end of the conference. An **author attendance time** is scheduled on Friday 21September 2018 11:30 - 12:30. In addition, all authors are invited to promote their own poster (for 2 minutes and maximum 2 slides + 1 for Authors and Title) during the Poster Flash Presentation Sessions (PFP1 for Block 1 on Tuesday September 18 evening, PFP2 for Block 2 on Wednesday September 19 evening). To this aim, the 3-slides presentation in Power Point should be prepared (using the template available at the corresponding Conference Web Page)

and sent by email to emsev2018@gmail.com before September 17th13:00 CET as an attached file named P-[xx]-[Presenting Author Surname].ppt being [xx] the corresponding Poster Number in the Program.