ECSS 2007 Abstracts by session

ECSS 2007 - 4th European Conference on Severe Storms, Trieste, Italy, 10-14 September 2007
List of the abstract accepted for presentation at the conference:
O - Oral presentation
P - Poster presentation

I. SECTION: 01 - (LUDWIG BOLTZMANN SESSION) THEORY ON CONVECTION, INSTABILITY AND FORCING

Sec.N	Type	Abstract Title	Author(s)
01.01	**O**	*Response of convective storms to low-level cooling*	Parker Matthew David
01.02	**O**	*Tornadogenesis: our current understanding, operational considerations and questions to guide future research.*	Markowski Paul
01.03	**O**	*What causes mammatus?*	Schultz David M. straka Jerry michael
01.04	**O**	*Preliminary results: environmental controls on updraft regeneration frequency in numerically-simulated, isolated multicellular convection*	Doswell Charles A.
01.05	**O**	*The influence of vertical wind shear on deep convection in the tropics*	Goler Robert Wissmeier Ulrike
01.06	P	*Deep moist convection at upper tropospheric moisture gradients: a possible involvement of moist symmetric instability*	Krennert Thomas
01.07	P	*Derivation of physically motivated wind speed scales*	Dotzek Nikolai
01.08	P	*On the entropy flow properties of severe storms*	Liu Chongjian Liu Ying
01.09	P	*Multi-sensor measurements of a convective storm cluster over low mountain range: adaptive observations during PRINCE*	Groenemeijer Pieter
01.10	P	*The influence of cell regeneration and individual storm splitting on meso-complex formation*	Curic Mladjen B.
01.11	P	*Initiation of precipitating convection based on data analysis*	Khodayar Samiro
01.12	P	*Application of the shear and curvature vorticity equations to the mid-level mesocyclogenesis*	Dahl Johannes Michael Leopold
01.13	P	*Trends of CAPE in ERA-40*	Riemann Kathrin
01.14	P	*Characterization of the evolution of convective processes in the Ebro Basin*	alvarez evelio Espejo Francisco
01.15	P	*Rossby Waves*	Wang Yafei

II. SECTION: 02 - (FRANK LUDLAM SESSION) CASE STUDIES ON HAILSTORMS, HEAVY PRECIPITATION, LIGHTNING, TORNADOES AND STRAIGHT LINE WINDS

Sec.N	Type	Abstract Title	Author(s)
02.01	**O**	*Tornado damage analysis of a forest area using site survey observations, RADAR data and simple analytical vortex model*	Bech Joan
02.02	**O**	*A close look at a severe mesoscale convective system during the Kyrill winter storm over central Europe*	Dahl Johannes Michael Leopold Gatzen Christoph Groenemeijer Pieter Hoffmann Jan Tuschy Helge van der Velde Oscar
02.03	**O**	*Mesosynoptic and storm scale fetures associated with three severe flash floods events in Romania*	Antonescu Bogdan Adrian stan-sion aurora D
02.04	**O**	*Case study of a severe convective storm: flash flood and hail in Sofia on 23rd June 2006*	Georgiev Christo Kozinarova Gergana
02.05	**O**	*Micrometeorological Observations of a downburst in southern Finland*	Punkka Ari-Juhani Schultz David M.
02.07	**O**	*Tornado clusters in Ireland: the case of 1st January 2005*	tyrrell graham
02.08	P	*Hail frequency and intensity in northern Greece*	Meaden Terence Sioutas Michalis
02.09	P	*Role of microphysics for a convective event in the Po Valley: COSMO-MODEL and MM5 high resolution simulations*	Ferretti Rossella
02.10	P	*Variability and trends of extreme precipitation events over Bulgaria*	Bocheva Lilia Ivanova Simeonov Petio
02.11	**O**	*DOW Observations of Tornado Structure, Genesis,and Evolution*	Wurman Joshua
02.12	P	*The analysis of thunderstorm on 04 August 2006*	Berdon Nada
02.13	P	*Diagnosis and sensitivity study of two severe storm events in the southeastern Andes*	Garcia-Ortega Eduardo LOPEZ LAURA
02.15	P	*A case study of two severe hailstorm events over southern and eastern Germany*	Dahl Johannes Michael Leopold Gatzen Christoph Groenemeijer Pieter Hoffmann Jan Tuschy Helge van der Velde Oscar
02.16	P	*The southern England tornadoes of 30th december 2006: case study of a tornadic storm in a low CAPE, high shear environment*	Clark Matthew Richard
02.17	P	*Analysis of the uncertainty of quantitative precipitation estimation of the SMC weather RADAR network*	Bech Joan Tomeu Rigo
02.19	P	*Severe storms in Bavaria, the Czech Republic and Poland*	Rezacova Daniela Sokol Zbynek
02.20	P	*Analysis of the 12-13 November 2004 heavy rainfall event over southern Italy*	Horvath Kristian mastrangelo daniele mastrangelo
02.21	P	*Modelling of the areal distribution of precipitation in the Serra do Mar escarpment, Sao Paulo, Brasil*	Nunes Luci Hidalgo Vicente Luiz Eduardo Vicente Vicente
02.22	P	*Flash flood producing storm on 23rd may 2005 in Czech republic*	Salek Milan
02.23	P	*Fitting and exponential distribution: effect of discretization*	Fraile Roberto Giaiotti Dario Palencia Covadonga Stel Fulvio
02.24	P	*Flash flood on northern coast of Spain n 27th July 2006*	SANZ MORAL MARIA PILAR
02.25	P	*Severe thunderstorm on 9th September 2004 (squall line)*	SANZ MORAL MARIA PILAR
02.27	P	*Study of a case: the 4th July 2006 storm over the city of Bilbao*	Gaztelumendi Santiago Joseba Egana

III. SECTION: 02 - (FRANK LUDLAM SESSION) CASE STUDIES ON HAILSTORMS, HEAVY PRECIPITATION, LIGHTNING, TORNADOES AND STRAIGHT LINE WINDS (CONT'D)

Sec.N	Type	Abstract Title	Author(s)
02.28	P	*Analysis of the 19th July 2006 storms in the Basque Country area*	Gaztelumendi Santiago Joseba Egana
02.29	P	*A synoptic and mesoscale diagnosis of a tornado in Castellacir, Catalonia, on 18th October 2006*	Bech Joan Montse Aran Montse
02.30	P	*Tornadoes at Novigrad, Istria, on August 14th, 2006*	Kovacic Tomislav
02.31	P	*Determination of extremely high values of precipitation after the storm of 20-21 August 2005 in the Sava river valley*	Brilly Mitja
02.32	P	*Characterization of the evolution of convective processes over Ebro Basin*	alvarez evelio Espejo Francisco
02.34	P	*Heavy rain and a tornado outbreak during the pass of a squall line over Catalonia*	Mateo Jordi Montse Aran Montse
02.35	P	*Hail research with hailpads: a bibliometric review*	Fraile Roberto Giaiotti Dario Palencia Covadonga Stel Fulvio
02.36	P	*Effects of a meteorological bomb inside the Venice Lagoon.*	Cordella Marco
02.37	P	*Analysis of a rainfall storm dynamics over calabria region, southern Italy*	Fusto Francesco
02.38	P	*An operational ingredients-based methodology to forecast ordinary and severe thunderstorms*	Gozzini Bernardo
02.39	P	*Environmental conditions responsible for the type of precipitation in summer convective storms over Bulgaria*	Dimitrova Tsvetelina Petrova Mitzeva-Nikolova Rumjana Petrova savtchenko Aglika Sergeeva
02.40	P	*Hailstorm over Buenos Aires city*	GORDILLO SUSANA BEATRIZ
02.42	P	*Mesocyclone*	Radmanovac Milovan
02.43	P	*Analysis of satellite data on 22 August 2006 (plane-crash over eastern part of Ukraine)*	Kryvobok Alex
02.44	P	*Severe storms on dated 23rd July 2001 Islamabad, Pakistan*	Shekh Abdul Hameed
02.45	P	*F3-Tornado in Belgium*	Delobbe Laurent hamid karim
02.46	P	*9-10th july 2007 Po valley severe weather outbreak*	dalla fontana alberto Formentini Gabriele Randi Pierluigi
02.47	P	*The Meteorological Background the Severe Weather Events in Hungary on 20th August, 2006*	Csirmaz Kalman Molnar Akos Polyanszky Zoltan
02.48	P	*Flash flood event over central Argentina: a case study*	Salio Paola Veronica

IV. SECTION: 03 - (LEWIS FRY RICHARDSON SESSION) NUMERICAL SIMULATIONS IN PARTICULAR ON MESOSCALE DOMAINS AND BY CLOUDS RESOLVING MODELS

Sec.N	Type	Abstract Title	Author(s)
03.01	**O**	*Progress and challenge in cloud-resolving numerical simulations*	klemp Joseph
03.02	**O**	*Recent new evidences of deep convective vertical transport of water vapor through the tropopause*	Setvak Martin Wang Pao K
03.03	**O**	*Forecasting of severe weather with the convection-resolving model COSMO-LMK*	Seifert Axel
03.04	**O**	*A multi-moment, multi-hydrometeor class, bulk microphysics parametrization scheme*	Gilmore Matthew Scott straka Jerry michael
03.06	**O**	*Surface data assimilation using an ensemble Kalman filter: forecast results from spring 2007*	Coniglio Michael Stensrud David J
03.07	P	*Numerical simulations of the effects of cloud condensation nuclei on thunderstorm intensity and evolution*	Lindsey Daniel
03.08	**O**	*Simulative improvement of a hurricane by irreversible thermodynamic operators*	Liu Chongjian Liu Ying
03.09	**O**	*Effect of the assimilation of 3D RADAR reflectivity data on a very-short range forecast of heavy convective rainfalls*	Sokol Zbynek
03.10	**O**	*Evaluation of the dynamical structure of deep convective in the tropics using a mesoscale model and high resolution back trajectories: Hector event during TWP-ICE and SCOUT-O3 campaigns*	Ferretti Rossella Gentile Sabrina
03.11	P	*Evaluating storm-scale model output for severe-weather forecasting: the 2007 NOAA HWT spring experiment*	Coniglio Michael
03.12	P	*Numerical modelling of severe convective storms occurring in the Carpathian basin*	Csirmaz Kalman
03.13	P	*Cloud tracking in cloud-resolving models*	Plant Robert
03.14	P	*Simulated storm RADAR signature sensitivity to liquid water storage*	Gilmore Matthew Scott straka Jerry michael
03.15	P	*Simulating a stationary deep convective storm using an atmospheric regional model: a V-shape case study*	Gozzini Bernardo Melani Samantha Pasqui Massimiliano
03.17	P	*Possibility and limitations of concepts to modify hurricanes by cloud-seeding with sub-micron hygroscopic aerosols*	Rosenfeld Daniel
03.18	P	*Impact of very high resolution non-hydrostatic limited area models in forecasting of severe hail storm over complex orography domain*	Randi Pierluigi
03.19	P	*Embryo difference between simulated High and Low Plains hailstorms*	Gilmore Matthew Scott straka Jerry michael
03.21	P	*Numerical study of precipitation formation during floods in Carpathian*	PIRNACH GANNA MYKHAILIVNA
03.22	P	*Thermodynamic and energy characteristics of convective clouds on different stage of their development*	Shpyg Vitalii Mykhailovych
03.23	P	*Evaluation of convection-resolving model simulation in mountainous terrain*	Trentmann Joerg
03.24	P	*Cloud scale simulation and verification of Orissa super cyclone (1999) in the north Indian ocean*	deshpande medha
03.25	P	*On the relationship between soil, vegetation and severe convective storms: a case study-*	Acs Ferenc -
03.26	P	*Large-scale severe weather phenomena parameters recovering and mapping*	Sadiqov Ramiz
03.27	P	*Cloud-resolving simulated cloud-precipitation process of landfall tropical storm*	Liu Ying Wang Donghai zhou haiguang

V. SECTION: 03 - (LEWIS FRY RICHARDSON SESSION) NUMERICAL SIMULATIONS IN PARTICULAR ON MESOSCALE DOMAINS AND BY CLOUDS RESOLVING MODELS (CONT'D)

Sec.N	Type	Abstract Title	Author(s)
03.28	P	*Simulation of the Mala cyclone in the Bay of Bengal*	nadukooru Vijayasaradhi
03.29	P	*Numerical study of 1998 late summer flood in East Asia*	Sun Wen-Yih
03.30	P	*A study of convective parameters with WRF model in a severe thunderstorm weather*	zhang ying
03.31	P	*The Valcanale flash-flood: an event beyond the current capabilities of operational numerical models*	Gallai Irene Giaiotti Dario Gladich ivan Stel Fulvio

VI. SECTION: 04 - (VANGUARD 2 SESSION) SEVERE STORMS AND SATELLITE INFORMATION

Sec.N	Type	Abstract Title	Author(s)
04.01	**O**	*Exploring the relationship between satellite-retrieved ice crystal size and thunderstorm intensity*	Lindsey Daniel
04.02	**O**	*Satellite detection of severe convective storms by their retrieved vertical profiles of cloud particle effective radius and thermodynamics phase*	Rosenfeld Daniel
04.03	**O**	*Mid-level jets in intense convection environment as seen by 7.3 um satellite imagery*	Georgiev Christo
04.04	**O**	*Central european convective storms penetrating deep into the lower stratosphere - MSG IR and RADAR observations and radiative transfer modelling*	Lindsey Daniel Novak Petr rabin robert Radova Michaela Setvak Martin Wang Pao K
04.05	**O**	*Analysis of stationary deep convective storm: detecting a V-shape feature through GEO-LEO satellites*	Melani Samantha Pasqui Massimiliano
04.07	P	*Case study of MCS over Hungary at 29th June 2006 with satellite and RADAR data*	Putsay Maria
04.08	P	*Application of channel difference 0.6 um - 1.6 um and 3.9 um channel in automatic convective cells detection*	Strelec Mahovic Natasa
04.09	**O**	*The use of satellite data for nowcasting: the ForTraCC technique*	Machado Luiz Augusto Toledo
04.10	P	*Using of meteosat HRVIS channel for the improvement of the detection of rapid developing thunderstorm clouds*	Kryvobok Alex
04.11	P	*Allocation of frontal mixed clouds of higly developed crystallization and heavy precipitation from multispectral satellite data*	Bakhanov Volodymyr Dorman Boris Kryvobok Alex
04.12	P	*Multi-spectral combination for monitoring severe storms*	Zibert Mateja
04.14	P	*The Vibo Valentia flood and MSG-1 rainfall evaluation*	Chiaravalloti Francesco Salvatore Gabriele
04.15	P	*The use of satellite images for indicating severe weather conditions over Ethiopia*	Yohannes Solomon Yohannes
04.16	P	*Satellite observations of tropical cyclone Bonita of January 1996*	Mudenda Oliver

VII. SECTION: 05 - (LOU BATTAN SESSION) SEVERE STORMS AND RADAR INFORMATION

Sec.N	Type	Abstract Title	Author(s)
05.01	**O**	*Weather Radar - Forthcoming technology and issues that it might resolve*	Zrnic Dusan
05.02	**O**	*Mobile Doppler RADAR observations of tornadoes*	Bluestein Howard
05.03	**O**	*Analysis of a tornadic mini-supercell in Finland by using Doppler RADAR*	Teittinen Jenni
05.04	**O**	*Nowcasting severe storms in the central area of the State of Sao Paulo with the aid of TITAN*	Held Ana Maria Held Gerhard
05.05	**O**	*Polarimetric Doppler RADAR analysis of the 3rd August 2006 supercell storm*	Alberoni Pier Paolo
05.06	**O**	*UHF RADAR studies of vertical motion and turbulence characteristics in the pre-monsoon thunderstorm over an Indian tropical station*	Deshpande Sachin Madhukar
05.07	**O**	*Windfield reconstruction over convective storms by using along-track technique*	Alberoni Pier Paolo Goh Yong Kheng
05.08	**O**	*Detection of turbulence generated by convective motion by an X-band Doppler RADAR: the DTCOR method*	kemkemian stephane
05.09	**O**	*Signature of severe thunderstorms for nowcasting in the state of Sao Paulo, Brazil*	Held Ana Maria Held Gerhard
05.10	P	*Hail cells features and probability of hail equations in the region of Ebro valley*	Ceperuelo Manuel Tomeu Rigo
05.11	P	*Quantitative precipitation forecast using RADAR echo extapolation*	Novak Petr Salek Milan
05.12	P	*Investigation of large vertical depth Cb in India*	Sinkevich Andrey Alexandrovich
05.13	P	*The European weather RADAR network (OPERA)*	Delobbe Laurent
05.14	P	*Case study of a Tornadic supercell in Finland 28th August 2005*	outinen kaisa Teittinen Jenni
05.15	P	*Study on the mesoscale structure of heavy rainfall on Meiyu front with dual-Doppler RADAR*	zhou haiguang
05.16	P	*Rain event on 22 October 2006 in Leon (Spain): drop size spectra*	Fraile Roberto Palencia Covadonga
05.17	P	*Discriminant analysis applied onto hail detection using RADAR*	Garcia-Ortega Eduardo LOPEZ LAURA
05.18	P	*Characterization of convective rainfall using C-band dual-polarized RADAR and Models intercomparison: COSMO-LAMI and MM5*	Ferretti Rossella
05.19	P	*The statistical characteristics of results of RADAR observations of atmospheric phenomena related to Cb*	Huseynov Nazim Malikov Bahruz
05.20	P	*Seasonal and interannual variations of Indian summer monsoon winds - a study using Indian MST RADAR*	Mekalathur RAMAN ROJA
05.21	P	*Observing and analysing mesoscale vortices by weather RADAR*	Zhu Xiaoyan
05.22	P	*RADAR tracking method for cloud seeding experimental units over Cuba*	novo sadiel novo
05.23	P	*Simulations of X-band thunderstorms RADAR observations*	Pujol Olivier
05.24	P	*An Evaluation of ECMWF Analyses Sounding Parameters in Thunderstorm and Severe Local Storm Forecasting for Europe.*	Dotzek Nikolai kaltenboeck rudolf

VIII. SECTION: 05 - (LOU BATTAN SESSION) SEVERE STORMS AND RADAR INFORMATION (CONT'D)

Sec.N	Type	Abstract Title	Author(s)
05.25	P	*Measurements for extreme rainfall estimation: comparison with estimates based on horizontal reflectivity*	bechini renzo

IX. SECTION: 06 - (ROBERT C. MILLER SESSION) FORECASTING AND NOWCASTING OF SEVERE STORMS

Sec.N	Type	Abstract Title	Author(s)
06.01	**O**	*Verification of dichotomous lightning forecasts at the European Storm Forecasting Experiment (ESTOFEX)*	Dahl Johannes Michael Leopold Gatzen Christoph Groenemeijer Pieter Tuschy Helge van der Velde Oscar Verge Nicholas John
06.02	**O**	*European severe thunderstorm warnings*	Schultz David M. Teittinen Jenni
06.03	**O**	*Tornadoes in Germany - Treatment at DWD*	Friedrich Andreas
06.05	**O**	*Mesoscale short-range ensemble prediction of hazardous weather events over western Meditrranean*	Homar Victor MARTIN GARCIA ALBERTO
06.06	**O**	*Model output statistics to improve severe storms prediction over western Sahel*	Idowu Oluseun Samuel
06.07	**O**	*Targeting for Mediterranean high impact weather forecasts: from climatology to real time MEDEX experiments*	Homar Victor
06.08	**O**	*Operational nowcasting of thunderstorms in the alpine area*	Ambrosetti Paolo Hering Alessandro
06.09	**O**	*The future of U.S. Severe weather warning operations*	Stumpf Greg
06.10	**O**	*The severe weather forecasting program in Finland*	Punkka Ari-Juhani Teittinen Jenni
06.11	**O**	*Forecasting severe weather occurrence in the state of Sao Paulo, Brazil using the meso-eta model*	Held Gerhard Nascimento Ernani de Lima
06.12	**O**	*Uncertainty in area-related QPF for heavy convective storms*	Rezacova Daniela Sokol Zbynek Zacharov Petr
06.13	P	*WxFUSION: weather forecast user oriented system including object nowcasting*	Forster Caroline
06.17	P	*MAP D-PHASE severe convection forecasts*	Ambrosetti Paolo Hering Alessandro
06.18	P	*Comparison of nowcasting and COSMO model forecast of convective storms over the Czech territory*	Peice Petr Sokol Zbynek
06.19	P	*Severe thunderstorm forecasting over Piedmont using thunderstorm indices forecasted by COSMO-LAMI*	Bertolotto Paolo
06.20	P	*Ground wind convergence as deep convection trigger*	Giaiotti Dario Pucillo Arturo Stel Fulvio
06.21	P	*Analysis of synoptic conditions of hail clouds development and some possibilities of nowcasting of storm's tracks*	Makitov Viktor Safarovich
06.22	P	*A case of nowcasting based on the identification of air masses boundaries*	KONE Diakaria
06.23	P	*The hydro-meteo-marine system to forecast high-tide events in Venice lagoon: preliminary results*	Giannini Luciana piervitali emanuela
06.24	P	*Celltrack-convective cell tracking algorithm and its use for deriving of life cycle characteristics*	Kyznarova Hana Novak Petr
06.25	**O**	*Analysis of the 18 July 2005 tornadic supercell over the lake of Geneva region*	Hering Alessandro Peyraud Lionel
06.26	P	*Supercell storm motion prediction*	Radmanovac Milovan
06.27	P	*Air stability indices derived from satellite data as convection and storm predictors*	Pajek Mo Struzik

X. SECTION: 06 - (ROBERT C. MILLER SESSION) FORECASTING AND NOWCASTING OF SEVERE STORMS (CONT'D)

Sec.N	Type	Abstract Title	Author(s)
06.28	P	*Characterizing preconvective conditions in southern France to improve ANELFA forecasts*	BERTHET Claude DESSENS Jean LOPEZ LAURA
06.29	P	*July 26th 2007 severe storm in Buenos Aires city: lessons learned*	Suaya Martina
06.30	P	*Severe weather episodes in Romania associated with cyclonic activity re-enhancement. Case study*	Popa Florinela
06.31	P	*A new index to calculate risk of waterspout development*	Kuiper Jacob
06.32	P	*Objective forecast of condition leading to severe thunderstorms by use of the MDA (material differential advection). Case study for the Lombardy plain (years 2004-2006)*	Borghi Sergio Favaron Maurizio
06.34	P	*A new index for automatic detection of thunderstorms*	Woelfelmaier Friedrich
06.35	P	*Evalution of different operational nowcasting methodologies: application to the severe event of 25th August 2006 in Catalonia*	Bech Joan Tomeu Rigo
06.36	P	*The lightning discharge registration complex VEREYA*	Huseynov Nazim Malikov Bahruz
06.37	P	*Some characteristics of extreme events in wind climate of Szombathely and its connection with weather situations*	Dr. Krossy Csaba Puskas Janos Tar Karoly
06.38	P	*Use of numerical weather prediction models output and satellite imagery to forecast tropical cyclone/depression over south Indian ocean*	ABDOU ADAM ABDOUL - AZIZ ABEBE
06.40	P	*Forecasting and nowcasting of severe storms*	HABIMANA Marcellin
06.41	P	*Multivariate index DCPIM (Deep Convection Process Identification Model) to forecast and hail storm clouds seeding operative decision*	Perez Raul Cesar
06.42	P	*Hidden Markov Models for Relating Atmospheric Circulation Patterns to Bulgaria Daily Precipitation Occurrence and Amounts*	Neykov Neyko Mateev

XI. SECTION: 07 - (HEINO TOOMING SESSION) CLIMATOLOGY AND DATABASES OF SEVERE STORMS AND RELATED WEATHER PHENOMENA

Sec.N	Type	Abstract Title	Author(s)
07.01	**O**	*On the implementation of the enhanced Fujita scale in the USA*	Brooks Harold E Doswell Charles A. Dotzek Nikolai
07.02	**O**	*Overview of ESSL research on severe storms climatology*	Dotzek Nikolai Feuerstein Bernold Groenemeijer Pieter
07.03	**O**	*Proximity sounding for Europe and the United States from reanalysis*	Brooks Harold E
07.04	**O**	*Prognosis of central-eastern Mediterranean waterspouts*	Keul Alexander Sioutas Michalis
07.05	**O**	*Tornadoes in Birmingham, England, in 1931 and 1946-2005, an inference about Britain's tornado climatology*	Meaden Terence
07.06	**O**	*On the theory of statistical intensity distribution of tornadoes and other low pressure systems*	Schielicke Lisa
07.07	**O**	*A climatology of large hail in Finland (1930-2006)*	Punkka Ari-Juhani Teittinen Jenni Tuovinen Jari Petteri
07.08	**O**	*Characterization of hailstone size spectra in hailpads network in France, Spain and Argentina*	BERTHET Claude DESSENS Jean LOPEZ LAURA
07.09	**O**	*A RADAR-based hailstorm climatology for Slovenia*	Zagar Mark
07.10	P	*The severe hail verification experiment*	Stumpf Greg
07.11	P	*Application of the EF-Scale in damage surveys*	Stumpf Greg
07.12	P	*Data acquisition, processing and other activities relating to severe storm assessment in Hungary based on a national Civil Association*	Kardos Peter Sarkozi Szilard
07.13	P	*A brief climatological assessment of large-scale atmospheric parameters related to severe local convection over South Africa based on NCEP-DOE reanalysis-II data*	Nascimento Ernani de Lima
07.14	P	*Tornadic environment in Romania*	Antonescu Bogdan Adrian stan-sion aurora D
07.15	P	*Synoptic situation in thunderstormy days in Poland, during which thunderstorms were observed over the majority of the Country*	Kolendowicz Leszek
07.16	P	*An approach to storm climatology in Mendoza (Argentina)*	LOPEZ LAURA
07.17	P	*Severe hailstorms in the British Isles: a climatology survey and hazard assessment*	Meaden Terence
07.20	P	*Long term variability of storm precipitation in Poland (1951-2000)*	Bielec-Bakowska Zuzanna Lupikasza Ewa
07.21	P	*Analysis of hailpad data 2002-2006, compared with the results of the hail test project Styria, 1982-2001*	SVABIK OTTO
07.22	P	*Characteristics severe storm over Egypt*	El-ashmawy Fathi Mohamed
07.23	P	*Circulation weather types that have caused heavy precipitation in Estonia in period 1961-2005*	Matlik Olga
07.24	P	*A preliminary analysis of summer severe storms in the Basque Country area: synoptic characteristics*	Gaztelumendi Santiago Joseba Egana
07.25	P	*Hail characteristics of different regions in continental part of Croatia based on influence of orography*	Pocakal Damir

XII. SECTION: 08 - (XXIST CENTURY) SEVERE STORMS AND CLIMATE CHANGE

Sec.N	Type	Abstract Title	Author(s)
08.01	**O**	*Assessment of severe weather environments simulated by a global climate model*	Brooks Harold E Marsh Patrick Timothy
08.02	**O**	*Air pollution aerosols induce larger hail*	Rosenfeld Daniel
08.03	**O**	*Severe thunderstorm environment under anthropogenic climate change*	Brooks Harold E Trapp Robert Jeffrey
08.04	**O**	*A climate study of severe convective storms over Bulgaria: frequency distribution and severity*	Bocheva Lilia Ivanova Simeonov Petio
08.05	P	*Severe coastal storms and climate change in the United Kingdom*	Doe Robert Keith
08.06	P	*Valuations on historical series of precipitations in Piedmont (NW Italy)*	acquaotta fiorella
08.07	P	*Statistical structure of windy days in Hungary with respect to climate change*	Dr. Krossy Csaba Puskas Janos Tar Karoly
08.08	P	*Climate change and severe convective weather phenomena*	Harish Kumar Gupta Dr. Harish Kumar Gupta Kumar Kiran Gupta Kiran Gupta
08.09	P	*Tropical storms over north Indian ocean during summer monsoon tend to intensify in a warning environment*	Kailasam Muni Krishna

XIII. SECTION: 09 - (HENRY DESSENS SESSION) MICROPHYSICS AND ELECTRIFICATION IN SEVERE STORMS

Sec.N	Type	Abstract Title	Author(s)
09.01	**O**	*The role and importance of ice phase in severe storms*	Prodi Franco C.
09.02	**O**	*Statistical Studies of the relationship between Sprites, Lightning and Thunderstorm Precipitation during the EUROSPRITE campaigns*	van der Velde Oscar
09.03	**O**	*Aircraft microphysical documentation from cloud base to anvils of hailstorm feeder clouds*	Rosenfeld Daniel
09.04	**O**	*Effects of some meteorological parameters on the geographical and seasonal distribution of lightning activity in Australia*	Jayaratne Rohan
09.05	P	*Laboratory experiments on the effect of trace chemicals on charge transfer during ice crystal-hail collision*	PUTHAN PURAKKAL Jish Prakash
09.06	P	*About the relationship between thunderstorm growth and the intracloud turbulence characteristics*	Kolev Ivanov
09.07	P	*Charge separation in severe storm conditions*	Avila Eldo Edgardo Burgesser Rodrigo
09.08	P	*Coud-to-ground lightning activity in Romania from 2003 to 2006*	Antonescu Bogdan Adrian
09.09	P	*Microphysical and optical characteristics of frontal mixed modelling clouds*	Bakhanov Volodymyr Dorman Boris
09.10	P	*!!!! No title so far !!!!*	savtchenko Aglika Sergeeva
09.11	P	*Five-year results and statistical analysis of hail parameters for two different seeded areas in western part of Croatia measured with hailpads*	Pocakal Damir

XIV. SECTION: 10 - (NICHOLAS GEORGESCU-ROEGEN SESSION) SOCIAL, ECONOMICAL AND CULTURAL ASPECTS OF SEVERE STORMS

Sec.N	Type	Abstract Title	Author(s)
10.01	**O**	*Decision making by Austin, Texas, residents in hypothetical tornado scenarios*	Drobot Sheldon Schultz David M.
10.02	**O**	*Drivers risk perception of severe storms hazards in Southern France*	Ruin Isabelle
10.03	**O**	*Modelling European hail risk using ground hail reports and weather data for insurance loss estimation*	yin Jianming
10.05	P	*Exploring high-resolution operational weather forecasts for flash flood prediction*	Anquetin Sandrine
10.07	P	*Recent floods in Bulgaria (Summer 2005) and the consequences due to non-proper management of the structural facilities*	Nitcheva Olga Nikolova
10.08	**O**	*ST-AR (Storm-Archive): a project developed to assess the ground effects of severe convective storms in the Po Valley*	Bonelli Paolo collino elena
10.09	P	*Severe storms in Belarus and economical effectiveness of its prompt warnings*	Melnik Viktar
10.10	P	*Severe convective storm risk in the eastern cape province of South Africa*	Pyle Desmond
10.11	P	*Severe storms upshots: the Africa Social, Economical and cultural situations*	Ayadiani Kenneth Rumi
10.12	P	*Social Perception of storms in northeastern Spain*	LOPEZ LAURA
10.14	P	*Hailstorm induced crop losses in India: some case studies*	Bhardwaj Jyoti
10.15	P	*Societal and economic impact of heavy precipitation in the south-east of Kazakhstan*	Amankulova Svetlana
10.16	P	*Behaviour of insects during hurricanes in medium latitude*	Dr. Krossy Csaba Puskas Janos Tar Karoly
10.17	P	*Very strong winds in Lithuania and their impact on population during 1999-2007*	Liukaityte Judita
10.18	P	*The Romanian training and nowcasting experience: an open laboratory for capacity building*	stan-sion aurora D

XV. SECTION: 11 - (THEODOR T. FUJITA SESSION) MOVIES AND PICTURES OF CONVECTIVE SEVERE WEATHER PHENOMENA

Sec.N	Type	Abstract Title	Author(s)
11.01	**O**	*Time Lapse Animation of a Low-Precipitation Supercell*	van der Velde Oscar
11.02	M	*Dubrovnik waterspout 2005-09-19 A*	Gumhalter Tanja
11.03	M	*Dubrovnik waterspout 2005-09-19 B*	Gumhalter Tanja
11.04	M	*Tornado outbreak event in Zignago - Italy 2007-05-27*	Amadio Gloria
11.05	M	*Selected images of severe weather events allover the World (WWSW - World Wide Severe Weather)*	Korosec Marko