

Presentations

Thursday, September 21, 2017

12:00-

Arrival of participants

18:00-19:00

Welcome, presentation of Petnica Meteor Group, and conference opening

19:00-20:15

Dinner

20:15-21:15

Q&A Session

20:15-

Free entertainment

Friday September 22, 2017

08:00-09:00

Breakfast

09:00-09:10

Announcements

SESSION 1 Ongoing meteor work (Part I)

Chair: *David Asher*

09:10-09:25

FRIPON-NL

Detlef Koschny, R. Rudawska, J. Zender, F. Colas, J. Vaubaillon

09:25-09:40

The Radio Meteor Zoo: involving citizen scientists in radio meteor research
Stijn Calders

09:40-09:55

AMOS from Slovakia, Canary Islands and Chile

Juraj Toth

09:55-10:15

Canadian Automated Meteor Observatory: Overview and high precision trajectories

Denis Vida, P. Brown P., M. Campbell-Brown

10:15-10:30

Nomon project

Stefan Beriša, I. Smolić, N. Vojvodić, T. Dufke, A. M. Erkelev

10:30-10:45

Status of the Polish Fireball Network

Mariusz Wiśniewski, P. Żołądek, A. Olech, Z. Tyminski, A Raj, M.

Myszkiewicz, M. Maciejewski, R. Rudawska, M. Gozdalski, M.P. Gawroński, T. Suchodolski, M. Stolarz, K. Fietkiewicz, K. Polakowski

10:45_11:00

The CILBO spectral observation program

Regina Rudawska, J. Zender, D. Koschny

11:00-11:30

Coffee break and poster session

SESSION 2 Parent bodies, meteoroids, meteorites, planets and their relation
Chair: *J r mie Vaubaillon*

11:30-11:45

Meter size meteorite impact
Nagatoshi Nogami

11:45-12:00

About one possible mechanism of comet splitting
Ayyub Guliyev

12:00-12:15

Near real-time monitoring system for atmospheric impacts from small NEOs
Esther Drolshagen, T. Ott, D. Koschny, G. Drolshagen, and B. Poppe

12:15-12:30

Detection of impacts on giant planets, another way to determine meter size object flux in our solar system
Fran ois Colas, S. Bouley, D. Baratoux, S. MBaye, M. Delcroix, and J.-L. Dauvergne

SESSION 3 Instruments, data pipelines, software

Chair: *Peter Stewart*

12:30-13:00

Demonstration of R package MetFns for analysis of visual meteor data
Kristina Veljkovic

13:00-14:15 Lunch

14:15-14:30

AMOS orbit software and EDMOND database
Leonard Kornos, J. Toth, and F. Duris

14:30-14:45

Further development of camera network in Hungary
Antal Igaz, B. Cs k, G. Cs p ny, Z. Kuli, N. Opitz, and K. S rnecky

14:45-15:00

FRIPipe: the FRIPON pipeline
J r mie Vaubaillon, A. Egal, M.K. Kwon, C. Marmo, M. Birlan, J. Lecubin, A. Malgoyre, S. Caminade, P. Vernazza, A. Drouard, J.L. Rault, S. Jeanne, F. Colas, S. Bouley, B. Zanda, and J. Gattacceca

15:00-15:30

New Developments in Meteor Processing Algorithms
Peter Gural

15:30-15:45

Artificial Intelligence Techniques applied to Automating Meteor Validation and Trajectory Quality Control to Direct the Search for Long Period Comets
Marcello De Cicco, S. Zoghbi, A. P. Stapper, A. J. Ordonez1, J. Collison, P. S. Gural, S. Ganju, J.-L. Galache, and P. Jenniskens

15:45-16:15

Coffee break and poster session

SESSION 4 Observing techniques

Chair : *Felix Bettonvil*

16:15-16:45

Meteor Film Recording with Digital Film Cameras with large CMOS Sensors
Peter C. Slansky

16:45-16:55

Kolonica - Modra: The new system for forward-scatter radio meteor observations

Pavel Zigo

16:55-17:10

Novel injection molded gratings for video meteor spectroscopy

Bill Ward, P. Reynolds, R. Love, and N. Gadegaard

17:10-17:25

How the received radio meteor signal determines the final spectrogram

Tom Roelandts

17:25-17:35

Using a small phased array for meteor observations

Antonio Martínez Picar, and Ch. Marqué

17:35-18:00

20 Years of IMO Video Commission - A Retrospective

Sirko Molau

18:00-19:00

POSTER SESSION

19:00-20:15

Dinner

20:15-21:15

General Assembly of the International Meteor Organization, including "IMC2018 In Slovakia - An Invitation by Tomas Paulech"

21:15-22:15

Visual Observing Workshop

Reporting (VMDB, Visual Meteor DataBase) and analyzing visual observations.

Chair: Cis Verbeeck

21:15-

Free entertainment

Saturday September 23, 2017

09:00-09:10

Announcements

SESSION 5 Atmospheric processes and phenomena

Chair: *Jean-Louis Rault*

09:10-09:30

Orbital uncertainties in radar meteor head echoes

Daniel Kastinen and J. Kero

09:30-09:45

Study of distinct meteor spectra populations

Pavol Matlovič

09:45-10:00

FRIPON fine-scale observations of the Doppler frequency shifts affecting meteor head radio echoes

Jean-Louis Rault, M. Birlan, S. Bouley, S. Caminade, F. Colas, A. Drouard, A. Egal, J. Gattacceca, S. Jeanne, M.K. Kwon, J. Lecubin, A. Malgoyre, C. Marmo, J. Vaubaillon, P. Vernazza, and B. Zanda

10:00-10:10

Meteors in Near-Infrared as seen in the Ondřejov Catalogue of Representative Meteor Spectra

Damir Šegon, M. Vukić, M. Šegon, Ž. Andreić, and P. Gural

10:10-10:30

Properties of faint meteors studied by video observations

Vlastimil Vojáček and J. Borovička

SESSION 6 Meteor showers & sporadic background

Chair : *Hervé Lamy*

10:30-10:50

Detectability of short meteor shower peaks

Jürgen Rendtel

10:50-11:00

Radio Observations of the 2016 Daytime Meteor Showers

G. Tomezzoli (presented by Cis Verbeeck)

11:00-11:30

Coffee break and poster session

11:30-11:50

Zeta Cassiopeiids - twelve years of observations

Przemysław Źołądek

11:50-12:05

Radio observations of the July 2016 Gamma Draconids outburst

Chris Steyaert and J. Brower

12:05-12:20

Observations of the Geminids 2016 with the BRAMS radio interferometer

Hervé Lamy, C. Tétard, M. Anciaux, S. Ranvier, Antonio Martinez Picar, S. Calders, and C. Verbeeck

12:20-12:30

Overview of major shower observations 2016-2017 by the BRAMS network

Cis Verbeeck, H. Lamy, S. Calders, C. Tétard, A. Martínez Picar

12:30-13:45

Lunch

14:00-20:00

Excursion

20:00-

Conference dinner and free entertainment

Sunday September 24, 2017

09:00-09:50

Breakfast

09:50-10:00

Announcements

SESSION 7 Ongoing meteor work (Part II)

Chair: *Nikola Božić*

10:00-10:20

Airborne Meteorite Detection

Joe Zender, R. Rudawska, D. Koschny, F. Bettonvil, Gerhard Drolshagen, R. Bijl, G J. Netjes, M. Bosch, and R. Crevecoeur

10:20-10:30

Time perception of a meteorite fall

A. Egal, Jérémie Vaubaillon, M.-K. Kwon, M. Hankey, V. Perlerin, F. Colas, and W. Thuillot

10:30-10:50

Autonomous sensor network for the detection and observation of meteors

Ana Vodopivec, and H. Kayal

10:50-11:05

The Brazilian video monitoring meteors network EXOSS: status and first results. A Citizen Science project

Marcello De Cicco, D. Lazzaro, and the EXOSS team

11:05-11:20

FRIPON, status of the radio and optical network

Simon Jeanne, F. Colas, B. Zanda, J. Vaubaillon, S. Bouley, Ch. Marmo, J.-L. Rault, S. Caminade, P. Vernazza, J. Gattacceca, M. Birlan, L. Maquet, and A. Egal

11:20-11:30

Installation of the Mendocino College - Ukiah Latitude Observatory CAMS Project

Timothy Beck, M. Bradley, D. Hunchard, C. Morataya, J. Ronco, and Ch. Upton

11:30-12:00

Coffee break and poster session

12:00-12:20

Brazilian Meteor Observation Network: History of creation and first developments

Lauriston de Sousa Trindade, R. C. Poltronieri, C. A. P. B. Bella, M. L. P. V. Zurita, C. J. L. Faria, L. S. Amaral, G. G. Silva, C. F. Jung, and J. A. Koukal

12:20-12:35

Ten Years of the Croatian Meteor Network

Damir Šegon, K. Korlević, Ž. Andreić, D. Vida, I. Skokić, and F. Novoselnik

12:35-12:50

AMS fireball camera program

Mike Hankey and V. Perlerin

12:50-13:00

Conference closing

13:00-14:15

Lunch

14:30-

Departure of the participants

Poster presentations

Observation of Lunar Impact Flashes

Mert Acar, A. K. Ates, C. Kayhan

Nomon project

Tina Dufke

Data management system of the Bolidozor network

Roman Dvořák and J. Štrobl

Visual and photographic observations of meteors carried out by students of

the Astronomical Observatory and Planetarium Nicolaus Copernicus in Varna

Ivanka Getsova-Momcheva, Katerina Ruseva, Kalina Georgieva, and Ivaylo

Belchev

A new meteor fell in the region of Igdi (Tata, Morocco), "sowing panic among the inhabitants"

A. Ibhi

The Konkoly Meteor Observing Network

Antal Igaz, N. Opitz, G. Csépany, and K. Sárneczky

Atmospheric phenomena radio localization system

Jakub Kákona, J. Mikeš, Roman Dvořák, M. Povišer, and M. Kákona

Nineteen years of meteor astronomy in Israel

Anna Levin, Tamira Tchenak, Ella Ratz, S. Eini, Y. Eini, and S. Halatzi

Meteor Section of the Israeli Astronomical Association

Anna Levin, Tamara Tchenak, Ella Ratz, S. Halatzi, Y. Eini, S. Eini

Meteorite producing fireball streams

A. Terentjeva and S. Barabanov

The calendar of meteor activity based on IMO video observations 2006-2015

Filip Fabris, Marija Kosić, Snježana Štefanić-Hoefel, Damir Šegon, M.

Dumbović

Dark flight integrator in-action (2015 Easter bolide re-calculated)

Tibor Hegedüs, Z. Jäger, Z. Jäger jr., Sz. Csizmadia, Zsolt Kereszty, and

Z. Zelkó

SCAMP - a new UK bolide network

J. Rowe and A. Shuttleworth

Shock waves generated by overdense meteors in the mesosphere lower thermosphere

E. A. Silber, R. E. Silber, and W. K. Hocking

Past, present and future of beacon signal transmission for meteor radio observation in Japan

K. Maegawa and Sumio Nakane

Large Taurids observed by US government sensors

Przemysław Źołądek

The statistical analysis of the height distribution and velocity distribution of Perseid meteor showers

P.-Y. Wu, I.-C. Yang, and C.-N. Lin