

Mirel M. BIRLAN

Hirsh Index = 22

(1251 citations without selfcitations – as of June 5, 2020)

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Brainmap: U-1700-028W-7985

Education :

Habilitation of supervising PhD thesis, University Paris VII, Paris, France, 2005

PhD Physics, Bucharest University, Romania, 1998

PhD Astronomy, Observatoire de Paris, France, 1997

B.A. Mathematics & Physics, « Ion Măiorescu » National College, Romania, 1981

Research Interests:

Remote sensing and physical studies of solar system bodies

Physical and dynamical modelling of solar system bodies

New techniques in observational astronomy

Experience:

- CNRS, IMCCE, Paris Observatory, Paris, France (2000 –present)
- Astronomical Institute of the Romanian Academy (associate researcher);
- Post-doctoral position (space mission targets studies): 1999-2000

Université Cergy-Pontoise, France

- Associate Professor: 2000-2013

Astronomical Institute of the Romanian Academy

- Astronomer: 1991-1999

Lectures in Massachusetts Institute of Technology-USA in October 2006, University of Bucharest-Romania (in 2001, 2002, 2004, 2005, 2006, 2009, 2011, 2018, 2019), and Akdeniz University in Antalya, Turkey (in 2014)

Awards:

International Astronomical Union: Name "Birlan" bestowed to asteroid #10034 in 2001
Romanian Space Agency, "Special merits in space research", Anniversary of 20 years of Romanian Space Agency

Romanian Academy: Medal "Special Merits in Romanian Astronomy", Centennial Anniversary of Bucharest Observatory, 2008

Ph.D. Thesis Supervisor

- Simon ANGHEL - «*Photometry in allsky images: application to meteors*», Bucharest University (started in September 2018);
- Adrian SONKA - «*Long period asteroids physics and spectral characteristics*», Bucharest University (started in September 2017);
- Simon JEANNE - «*Identification des corps parents des météorites avec le réseau FRIPON*» en codirection avec François Colas, thèse débutée en 2016 à l'Observatoire de Paris; PhD thesis started in 2016 in Paris Observatory
- Myriam PAJUELO «*Caractérisation des astéroïdes binaires par photométrie et occultations stellaires* » Paris Observatory, defended in September 2017

- Bogdan DUMITRU « *Asteroids parent bodies of meteor showers* » PhD thesis s in co-tutelle between Paris Observatory & Bucharest University, defended in September 2018
- Marcel Popescu « *Techniques for asteroid spectroscopy* », defended in Politehnica University in Bucharest –Romania, October 2012
- Alin Nedelcu « *Modélisation dynamique et spectroscopique des astéroïdes; Applications aux géocroiseurs et aux cibles de missions spatiales* » defended in Paris Observatory, September 2010
- Emmanuel Marcq PhD thesis, 2007 (25% ratio of the time thesis)
- Pierre Vernazza, PhD thesis, 2007 (25% ratio of the time thesis)

Professional Societies

International Astronomical Union, Commissions 16, 17, 4; President of the National Committee of Romanian Astronomers - elected in 2015 (Romanian National Representative)

American Astronomical Society Division for Planetary Sciences

National Committee of French Astronomers (until 2006)

European Astronomical Society (Romanian National Representative)

Professional Committees and Editorships

Correspondent member of International Academy of Astronautics (2017- present)

Representative for Romania in the Science Program Committee of European Space Agency (2019-present)

Representative for Romania in the group SMPAG inside the UN-COPUOS (2015-present)

Scientific Secretary of Romanian Astronomical Journal (2018-present)

Member of the Scientific Committee for the OSU-Theta Besancon - France (starting in 2016)

Member of the French Committee for preparing the International Astronomical Year 2009 (2007-2009)

Secretary of the National Committee of French Astronomers (2004-2007)

Secretary of the Romanian National Committee of Education through Astronomy (1997-1998)

Editor *Almanahul Astronomic* booklet, Romania, 1997

Editor *Connaissance des Temps*, France (2005-2020)

Expert of the European Space Agency on asteroids an their connection with comets (2000)

Community Activities

Reviewer into several reviews: Astronomy & Astrophysics, Planetary & Space Science, Icarus, Space Science Review, Sensors, Meteoritics and Planetary Sciences

Editor in planetary science for the review *Ad-Astra* (2001-2005)

Scientific correspondent on planetary science for the BBC - Romanian service (2000-2008)

Collaborator to the ESO-ESA international video-project "*Hubble Space Telescope -15 years of discoveries*" (2005) and *Eyes on the Skyes* (2009)

Creation and management of Meudon Remote Observing Center for Astronomy (2001-present).

Papers in Refereed Journals (112 articles)

1. Marsset, M., Broz, M., Vernazza, P., ... **Birlan, M.**, Marchis, F., *The violent collisional history of aqueous asteroid (2) Pallas*, **Nature Astronomy**, 20 February 2020, doi:10.1038/s41550-019-1007-5
2. Vernazza, P., Jorda, L., Sevecek, P.,, **Birlan, M.**, Podlowska-Gaca, E.,- *A basin free spherical shape as an outcome of a giant impact on asteroid Hygiea*, **Nature Astronomy**, vol 4, p 136-141, 2020.
3. Hanus, J., Vernazza, P., Viikinkoski, M., ..., Birlan, M., (704) *Interamnia: a transitional object between a dwarf planet and a typical irregular-shaped minor body*, **Astronomy & Astrophysics**, vol 633, id.A65, 2020
4. Marsset, M., DeMeo, F., Sonka, A., **Birlan, M.**, Polishook, D., - *Active asteroid (6478) Gault : a blue Q-type surface below the dust?* **Astrophys. J. Lett.**, vol 882, 1, L2, 2019
5. Jeanne, S., Colas, F., Zanda, B., **Birlan, M.**, Vaubaillon, J., Bouley, S., - *Calibration of fish-eye lens and error estimation on fireball trajectories: Application to the FRIPON network*, **Astronomy & Astrophysics**, vol 627, id.A78, 2019
6. Binzel, R.P., DeMeo, F.E., Turtelboom, E.V., Bus, S.J., Tokunaga, A., Burbine, T.H., Lantz, C., Polishook, D.,... **Birlan, M.**, ...- *Compositional distributions and evolutionary processes for the near-Earth object population: Results from the MIT-Hawaii Near-Earth Object Spectroscopic Survey (MITHNEOS)*, **Icarus** vol 324, p. 41-76, 2019.
7. Hanus, J., Marsset, M., Vernazza, P., Viikinkoski, M., Drouard, A., Broz, M., ... **Birlan, M.**, ...- *The shape of (7) Iris as evidence of an ancient large impact?*, **Astronomy & Astrophysics**, vol 624, id.A121, 2019
8. Carry, B., Vachier, F., Berthier, J., Marsset, M., Vernazza, P., Grice, J., Merline, W.J., Lagadec, E., Fienga, A.,... **Birlan, M.**, ... - *Homogeneous internal structure of CM-like asteroid (41) Daphne*, **Astronomy & Astrophysics**, vol 623, id.A132, 2019
9. Fétick, R.J.L., Jorda, L., Vernazza, P., Marsset, M., Drouard, A., Fusco, T., Carry, B., Marchis, F., Hanuš, J.,... **Birlan, M.**, ... - *Closing the gap between Earth-based and interplanetary mission observations: Vesta seen by VLT/SPHERE*, **Astronomy & Astrophysics**, vol 623, id.A6, 2019
10. **Birlan, M.**, Blaga, C., Sucsuz-Csillik, I., Besliu-Ionescu, Pop, A., D., Nedelcu, A., Badescu, O., Marin, S. – *Celebrate IAU100 in Romania*, **Rom Astron. J.**, vol 29, n.3, pp 246-252, 2019;
11. Sonka A., **Birlan, M.**, Vachier, F., Berthier, J., Klotz, A., Thierry, P., Peyrot, A., Teng, J-P., - *The (155140) 2005 UD lightcurve and rotational period from simultaneous observations*, **Rom Astron. J.**, vol 29, n.3, pp 191-200, 2019;
12. Sonka A., **Birlan, M.**, Anghel, S., Vachier, F., Berthier, J., Klotz, A., Thierry, P., Peyrot, A., Teng, J-P., - *The (155140) 2005 UD lightcurve and rotational period from simultaneous observations*, **Rom Astron. J.**, vol 29, n.1, pp 34-42, 2019;
13. Anghel, S., **Birlan, M.**, Nedelcu, A., Boaca, I., - *Photometric calibration of MOROI all-sky cameras: introduction and first results*, **Rom Astron. J.**, vol 29, n.2, pp 149-159, 2019;
14. **Birlan, M.**, Sonka A., Nedelcu A., Balan M., Anghel, S., Pandeale, C., Trusculescu, M., Dragasanu, C., Plesca, V., Gandescu, C.H., Banica C.K., Georgescu T. - *Telescope calibration for mobile platforms: first results*, **Rom Astron. J.**, vol 29, n.1, pp 23-33, 2019;
15. Dumitru B., **Birlan M.**, Nedelcu D. - *Asteroid parent bodies of meteor showers: an update*, **Rom Astron. J.**, vol 28, n.2, pp 167-176, 2018;
16. **Birlan, M.**, Plesca, V., Gandescu, C.H., Nedelcu A., Balan M., Banica C.K., Pandeale C, Sonka A., Georgescu T. - *Observational asset for Near-Earth Objects, artificial satellites, and space debris: an assessment of concept*, **Rom Astron. J.**, vol 28, n.2, pp 69-80, 2018;
17. Sonka, A., Gornea A.I., **Birlan M.** - *Photometric monitoring of PHA (3122) Florence*, **Rom Astron. J.**, vol 28, n.1, pp 81-88, 2018,
18. Gornea A.I., Sonka A., **Birlan M.**, Anghel S. - *Photometric Observations of Near-Earth Asteroid 2018 GE3*, **Minor Planet Bull**, vol 45, no 4, pp 315-316, 2018.
19. Viikinkoski, M., Vernazza P., Hanus J., Le Coroller H., Tazhenova K., Carry B., Marsset M., Drouard A., ... **Birlan M.**, ... - *(16) Psyche: A mesosiderite-like asteroid?*, **Astronomy & Astrophysics** vol 619, id. L3, 10pp, 2018.

20. Vernazza P., Broz M., Drouard A., Hanus J., Viikinkoski, M., Marsset M., ... **Birlan M.**, ...- *The impact crater at the origin of the Julia family detected with VLT/SPHERE?*- **Astronomy & Astrophysics** vol 618, id. A154, 16pp, 2018.
21. Dumitru B., **Birlan M.**, Sonka A., Colas F., Nedelcu A. - *Photometry of asteroids (5141), (43032), (85953), (259221), and (363599) observed at Pic du Midi Observatory*, **Astron. Nach.**, vol 339, issue 2-3, 2018.
22. Pajuelo M., **Birlan M.**, Carry B., DeMeo F., Binzel R., Berthier J. - *Spectral properties of binary asteroids*, **Monthly Notices**, vol 477, issue 4, 2018;
23. Drouard A., Vernazza P., Loehle S., Gattacceca J., Vaubaillon J., Zanda B., **Birlan M.**, Bouley S., Colas F., Eberhart M., Hermann T., Jorda L., Marmo C., Meindl A., Oefele R., Zamkotsian F., Zander F.: - *Probing the use of spectroscopy to determine the meteoritic analogues of meteors*, **Astronomy & Astrophysics**, vol 613, A54, 2018
24. **Birlan M.**, Nedelcu A.- *Reflectance spectrum of (1154) Astronomia*, **Rom Astron. J.**, vol 28, n.1, pp 33-39, 2018;
25. Nedelcu A., **Birlan M.**, Turcu, V., Boaca I., Badescu O., Gornea A., Sonka A., Blagoi, O., Danescu C., Paraschiv, P. - *Meteorite orbits reconstruction by optical imaging (MOROI) network*, **Rom Astron. J.**, vol 28, n.1, pp 57-65, 2018;
26. Sonka A. Gornea A. Anghel S., **Birlan M.** - *Photometric observations of Near Earth Asteroid 2012 TC3*, **Rom Astron. J.**, vol 27, n.3, pp 223-231, 2017;
27. Dumitru B., **Birlan M.**, Popescu M., Nedelcu D. - *Association between meteor showers and asteroids using multivariate criteria*, **Astronomy & Astrophysics**, vol 607, A5, 2017
28. **Birlan M.**, Colas F., Cochard F., Carry B., Vernazza P., Fornasier S., Perna D. - *New concept of spectrograph for Near-Earth Asteroids Observations*, **Rom Astron. J.**, vol 27, n.2, pp 83-90, 2017;.
29. Anghel S., **Birlan M.** - *Data ingestion methods and taxonomic results using M4AST*, **Rom Astron. J.**, vol 27, n.1, pp 3-12, 2017;
30. **Birlan M.**, A. Sonka, R. Cornea, C. Danescu, R. Gherase, L. Hudin, M. Popescu, et al - *Romania observed from Romania: an educational program for observing asteroid (7698) Romania during its opposition in 2015*, **Rom Astron. J.**, vol 26, n 2, pp 169-179, 2016; .
31. **Birlan M.** - *Mineralogy of asteroid (10484) Hecht*, **Rom Astron. J.**, vol 26, n 2, pp 137-145, 2016;
32. Vernazza P., Marsset M., Beck P., Binzel R.P., **Birlan M.**, Cloutis E.A., DeMeo F.E., Dumas C., Hiroi T. - *Compositional Homogeneity of CM Parent Bodies*, **Astron. J.** vol 152, issue 3, id.54, 2016;
33. Arlot J.-E., **Birlan M.**, Robert V. - *The project Naroo (New astrometric reduction of old observations)* **Rom Astron. J.**, vol 26, n 1, 2016;
34. **Birlan M.**, Nedelcu A., Sonka A., Popescu M., Dumitru B. - *Observations for secure and recovery Near-Earth Asteroids*, **Rom Astron. J.**, vol 26, n 1, 2016;
35. Marsset M., Vernazza P., **Birlan M.**, DeMeo F., Binzel R.P., Dumas C., Milli J., Popescu M. - *Compositional characterisation of the Themis family*, **Astronomy & Astrophysics** vol 586, id.A15, 9pp, 2016
36. **Birlan M.**, Popescu M., Nedelcu D. A., Turcu V., Pop A., Dumitru B., Stevance F., Vaduvescu O., Moldovan D., Rocher, P., Sonka A., Mircea, L.- *Characterization of (357439) 2004 BL86 on its close approach to Earth in 2015*, **Astronomy & Astrophysics** vol 581, id.A3, 7pp, 2015
37. Marcq E., Lellouch E., Encrenaz Th., Widemann T., **Birlan M.**, Bertaux J-L. - *Search for horizontal and vertical variations of CO in the day and night side lower mesosphere of Venus from CSHELL/IRTF 4.53 μ m observations*, **Planet Sp.Sci.**, vol 113, p. 256-263, 2015.
38. Vernazza P., Marsset M., Beck P., Binzel R. P., **Birlan M.**, Brunetto R., Demeo F. E., Djouadi Z., Dumas C. - *Interplanetary Dust Particles as Samples of Icy* **The Astrophysical Journal**, vol 806, Issue 2, id. 204, 10 pp. 2015
39. Carry B., Matter A., Scheirich P., **Pravec P.**, Molnar L., Mottola S., ... Binzel R.P., DeMeo F., **Birlan M.**, ... et al: - *The small binary asteroid (939) Isberga*, **Icarus** v. 248, pp 516-525, 2015
40. **Birlan M.**, Nedelcu D.A., Popescu M., Badescu O. – *Near-Earth Asteroids: observations via remote observing techniques*, **Rom Astron. J.**, vol 24, n 1, 2014;
41. Popescu M., **Birlan M.**, Nedelcu D.A., Vaubaillon J., Cristescu C.P. – *Spectral properties of the largest asteroids associated to Taurid Complex*, **Astronomy & Astrophysics** vol 572, id.A106, 16pp, 2014
42. Oszkiewicz D.A., Kwiatkowski T., Tomov T., **Birlan M.**, Geier S., Penttilä A., Polińska M.-*Selecting asteroids for a targeted spectroscopic survey*, **Astronomy & Astrophysics** vol 572, id.A29, 12pp, 2014

43. Marsset M., Vernazza P., Gourgeot F., Dumas C., **Birlan M.**, Lamy P., Binzel R.P. - Similar origin for low- and high-albedo Jovian Trojans and Hilda asteroids?, **Astronomy & Astrophysics**, vol **568**, id.L7, 4pp, 2014
44. Vernazza P., Zanda B., Binzel R.P., Hiroi T., DeMeo F.E., **Birlan M.**, Hewins R., Ricci L., Barge P., Lockhart M.- *Multiple and Fast: The Accretion of Ordinary Chondrite Parent Bodies* **The Astrophysical Journal**, vol **791**, Issue **2**, article id. **120, 22** pp., 2014
45. Nedelcu D.A., **Birlan M.**, Popescu M., Badescu O., Pricopi D. – *Evidence for a source of H chondrites in the outer main asteroid belt*, **Astronomy & Astrophysics**, vol **567**, id.L7, 5 pp, 2014
46. **Birlan M.**, Nedelcu A., Popescu M., Vernazza P., Colas F., Kryszczyńska A. : *Spectroscopy and surface properties of binary asteroid (809) Lunda*, **MNRAS**, vol **437**, Issue 1, p.176-184, 2014
47. Mousis O., Hueso R., Beaulieu J-P., Bouley S., Carry B., Colas F. ... **Birlan M.** et al - *Instrumental Methods for Professional and Amateur Collaborations in Planetary Astronomy*, **Experimental Astronomy** vol 38, iss 1-2, pp 91-191, 2014
48. Vaduvescu O., **Birlan M.**, Tudorica A., Popescu M., Colas F., Asher D. et al - *739 observed NEAs and new 2-4 m survey statistics within the EURONEAR network*, **Planet Sp. Sci.**, vol **85**, pp.299-311, 2013.
49. Vaduvescu O., Popescu M., Comsa I., Paraschiv A., Lacatus D., Sonka A., Tudorica A., **Birlan M.**, Suciuc O. et al - *Mining the ESO and INT WFC archives for known NEAs. Mega-Precovery Software*- **Astronomische Nachrichten** vol. **334**, Iss. 7, pp.718-728, 2013.
50. Popescu M., **Birlan M.**, Nedelcu A. – *Modeling of asteroid spectra- M4AST*, **Astronomy & Astrophysics** vol **544**, id.A110, 2012
51. Barucci M.A., Belskaya I.N., Fornasier S., Fulchignoni M., Clark B.E., Coradini A., Capaccioni F., Dotto E., **Birlan M.**, Leyrat C., et al. - *Overview of Lutetia's surface composition*, **Planet Sp.Sci.**, vol **66**, pp.23-30, 2012.
52. Vernazza P. Lamy P., Groussin O. Hiroi T., Jorda L., King P.L.; Izawa M.R.M., Marchis F.; **Birlan M.**; Brunetto, R. - *Asteroid (21) Lutetia as a remnant of Earth's precursor planetesimals*, **Icarus**, vol **216**, Issue 2, pp. 650-659, 2011.
53. Popescu M., **Birlan M.**, Binzel R., Vernazza P., Barucci A., Nedelcu D.A., DeMeo F., Fulchignoni M. - *Spectral properties of eight near-Earth asteroids*, **Astronomy & Astrophysics** vol **535**, id.A15, 2011
54. Vaduvescu O., **Birlan M.**, Tudorica A., Sonka A., Pozo F.N. et al :- *EURONEAR – Recovery, follow-up and discovery of NEAs and MBAs using large field 1-2m telescopes*, **Planetary & Space Science** vol. 59, Iss. 13, pp 1632-1646, 2011.
55. **Birlan M.**, Nedelcu D.A., Descamps P., Berthier J, Marchis F., Merouane S., Popescu, M. : *Spectral properties of (854) Frostia, (1333) Cevenola, and (3623) Chaplin* **MNRAS** vol. **415**, Iss. 1, pp 587-595, 2011
56. Vaduvescu O., Tudorica A., **Birlan M.**, Oprisceanu C., Vidican, D., R. Toma, Dumitru D., – *Mining the CFHT Legacy Survey for known Near Earth Asteroids* **Astronomische Nachrichten** vol. **332**, Iss. 6, pp.580-589, 2011.
57. DeMeo F.E., Carry B., Marchis F., **Birlan M.**, Binzel R. P., Bus S. J., Descamps P., Nedelcu A., Busch M., Bouy H.- *(379) Huenna's satellite: a chip off the block*, **Icarus** vol **212**, Iss **2**, pp 677-681, 2011
58. **Birlan M.**, Vaduvescu O., Tudorica A., Sonka A., Nedelcu A., Galad A., et al - *More than 160 Near Earth Asteroids Observed in the EURONEAR Network* - **Astronomy & Astrophysics** vol **511**, id.A40, 2010
59. Binzel R.P., Morbidelli A., Merouane S., DeMeo F., **Birlan M.**, Vernazza P., Thomas C., Rivkin A.S., Bus S.J., Tokunaga A. - *Earth encounters as the origin of fresh asteroid surfaces*, **Nature** vol **463**, Iss **7279**, pp. 331-334, 2010.
60. Vernazza P., DeMeo F., Nedelcu A., **Birlan M.**, Doressoundiram A., Erard S., Volquardsen E. - *Resolved spectroscopy of Mercury in the Near-IR with SpeX/IRTF*, **Icarus** vol **209**, 125-137, 2010.
61. Nedelcu A., **Birlan M.**, Souchay J., Assafin M., Andrei A.H., Badescu O., Popescu P., Paraschiv P. - *Apparent close approaches between Near-Earth Asteroids and quasars. Precise astrometry and frames linking*, **Astronomy & Astrophysics** vol **509**, id.A27, 2010
62. **Birlan M.**, Nedelcu A. – *Physics of Asteroids and Their Junction with Dynamics*, **Lecture Notes in Physics**, Vol. **790**, pp 229-250, 2010.
63. Descamps P., Marchis F., Michalowski, T., Berthier J., Pollock J., Wiggins P., **Birlan M.**, Colas F., Vachier F., Fauvaud S., et al - *A giant crater on 90 Antiope?*, **Icarus** vol **203**, Iss. **1**, pp. 102-111, 2009;

64. Vaduvescu O., Curelaru L., **Birlan M.**, Bocsa G., Serbanescu L., Tudorica A., Berthier J. - *EURONEAR: Data mining of asteroids and Near Earth Asteroids*, **Astronomische Nachrichten** vol **330**, N. **5**, pp. 698-707, 2009
65. Vernazza P., Binzel R.P., Rossi A., Fulchignoni M., **Birlan M.** – *Solar wind as the origin of rapid reddening of asteroid surfaces*, **Nature** vol **458**, pp 993-995, 2009;
66. Binzel R.P., Rivkin A., Thomas C.A., Vernazza P., Burbine T., DeMeo F., Bus S.J., Tokunaga A., **Birlan M.** – *Spectral properties and composition of potential hazardous asteroid (99942) Apophis*, **Icarus** vol **200** Iss. **2**, pp. 480-485, 2009;
67. **Birlan M.**, Nedelcu A. D., Lainey V., Arlot J.-E., Binzel R.P., Bus S.J., Rayner J., Vaduvescu O., Thuillot W., Colas F. – *Photometric and astrometric analysis of a mutual event between in the Uranian satellites Miranda and Oberon*, **Astronomische Nachrichten** vol **329**, N. **6**, 2008
68. Descamps P., Marchis F., Pollock J., Berthier J., Vachier F., **Birlan M.**, Kaasalainen M., Harris A.W., Wong M., Romanishin W., et al - *New determination of the size and bulk density of the binary asteroid 22 Kalliope from observations of mutual eclipses* – **Icarus** vol. 196, n 2, pp.578-600, 2008
69. Descamps P., Marchis F., Pollock J., Berthier J, **Birlan M.**, Vachier F., Colas F.- *2007 Mutual events within the binary system of (22) Kalliope* - **Planetary & Space Science** vol **56**, N **14**, pp 1851-1856 , 2008
70. Vaduvescu O., **Birlan M.**, Colas F., Nedelcu A., Sonka A. - *EURONEAR –First results* – **Planetary & Space Science** vol **56**, N **14**, pp 1913-1918 , 2008
71. Nedelcu A., **Birlan M.**, Vernazza P., Binzel R.P., Barucci M.A., Fulchignoni M. – *E-type asteroid (2867)Steins : Flyby target for Rosetta*, **Astronomy & Astrophysics** vol **473**, N **3**, pp. L33-L36, 2007 ;
72. **Birlan M.**, Vernazza P., Nedelcu A. – *Spectral properties of nine M-type asteroids*, **Astronomy & Astrophysics** vol **475**, N **2**, pp. 747-754, 2007 ;
73. Nedelcu, A., **Birlan, M.**, Vernazza, P., Descamps, P., Binzel, R.P., Colas, F., Kryszczynska, Bus, S.J. – *Near-IR spectroscopy of the asteroid 21 Lutetia : II. Rotationally resolved spectroscopy of the surface*, **Astronomy & Astrophysics** vol **470**, n. **3**, pp 1157-1164, 2007;
74. Vernazza, P., Rossi, A., **Birlan, M.**, Fulchignoni, M., Nedelcu, A., Dotto, E. – *832 Karin : Absence of rotational spectral variations* **Icarus** vol **191**, n **2**, pp 330-336, 2007 ;
75. Descamps P., Marchis F., Michalowski T., Vachier F., Colas F., Berthier J., Assafin M., Dunckel P.B., Polinska M., Pych W., Hestroffer D., Miller K., Vieira-Martins R., **Birlan M.**, Teng-Chuen-Yu J., Peyrot A., Payet B., Dorseuil J., Leonie Y., Dijoux T. – *Figure of the double asteroid 90 Antiope from adaptive optics and lightcurve observations* **Icarus** vol **187**, n. **2**, pp 482-499, 2007;
76. Vernazza P., **Birlan M.**, Rossi A., Dotto E., Nesvorny D., Brunetto R., Fornasier S., Fulchignoni M., Renner S. – *Physical characterization of the Karin family* **Astronomy & Astrophysics** vol **460** n. **3**, pp 945-951, 2006;
77. Vaduvescu O., **Birlan M.** – *Planning Near-Earth Asteroid Observations on a 1m class telescope* **Romanian Astronomical Journal** v. **16**, n. **2**, pp 201-206, 2006;
78. **Birlan, M.**, Vernazza, P., Fulchignoni, M., Barucci, M.A., Descamps, P., Bus, S.J. – *Near Infra-Red Spectroscopy of the Asteroid 21 Lutetia: I. New results of long-term campaign*, **Astronomy & Astrophysics** v. **454**, Issue **1**, pp. 677-681, 2006;
79. Brunetto, R., Vernazza, P., Marchi, S., **Birlan, M.**, Fulchignoni, M., Orfino, V., Strazzulla, G. – *Modeling asteroid surfaces from observations and irradiation experiments: the case of 832 Karin*, **Icarus** **184** Issue **2**, pp 327-337, 2006;
80. Marcq, E., Encrenaz, Th., Bezaud, B., **Birlan, M.** – *Remote sensing of Venus' lower atmosphere from ground-based IR spectroscopy: longitudinal and vertical distribution of minor species*, **Planetary & Space Science** v. **54**, Issues **13-14**, pp 1360-1370, 2006;
81. Marcq, E., Encrenaz, Th., Bezaud, B., **Birlan, M.** – *Latitudinal variations of CO and OCS in the lower atmosphere of Venus from near-infrared nightside spectro-imaging*, **Icarus**, v. **179**, Issue **2**, pp 375-386, 2005.
82. Barucci M.A., I. Belskaya, M. Fulchignoni, **M. Birlan** - *Taxonomy of Centaurs and Trans-Neptunian Objects*, **Astronomical Journal** v **130**, Issue **3**, 1291-1298, 2005.
83. Vernazza P. Mothe-Diniz T., Barucci A., **Birlan M.**, Carvanho J., Strazzulla G., Fulchignoni M., Migliorini A. - *Analysis of near-IR spectra of 1 Ceres and 4 Vesta, targets of the Dawn Mission*, **Astronomy and Astrophysics**, v.**436**, Issue **3**, pp 1113-1121, 2005.

84. Thuillot, W., Vaubaillon, J., Scholl, H, Colas, F., Rocher, P., **Birlan, M.**, Arlot, J-E. - *Relevance of the NEO dedicated observing programs – Comptes-Rendu de l'Académie des Sciences*, v. **6**, Issue **3**, pp 327-331, 2005
85. Barucci, M.A., Fulchignoni, M., Fornasier, S., Dotto, E., Vernazza, P., **Birlan, M.**, Binzel, R., Carvano, J., Merlin, F., Barbieri, C., Belskaya, I. – *Asteroid target selection for the new Rosetta mission baseline : 21 Lutetia and 2867 Steins – Astronomy and Astrophysics* v.**430**, pp 313-317, 2005.
86. **Birlan M.**- *Near-IR spectroscopy of Karin family of asteroids*, **Romanian Astron. J.** v. **15** Issue **1**, 2005
87. Thuillot W., Arlot J-E., Stavinschi M., **Birlan M.**, Lainey V. - *Ground-based astrometry at the time of the GAIA mission* **Romanian Astron. J.** v. **15** Issue **1**, 2005
88. **Birlan, M.**, M.A. Barucci, W. Thuillot – *Solar system observations by remote observing technique : useful experience for robotic telescope strategies.* **Astronomische Nachrichten** No. **6-8**, pp 571-573, 2004.
89. **Birlan M.**, Barucci M.A., Vernazza, P., Fulchignoni M., Binzel R.P., Bus S.J., Fornasier S. *Near-Ir Spectroscopy of asteroids 21 Lutetia, 89 Julia, 140 Siwa, 2181 Fogelin, and 5480 (1989YK8), potential targets of the Rosetta mission; remote observations campaign on IRTF*, **New Astronomy**, Vol. **9** (**5**), pp 343-351, 2004.
90. Binzel, R.P., **Birlan, M.**, Bus, S.J., Harris, A., Rivkin, A.S., Fornasier, S.– *Spectral Observations for Near-Earth Objects Including Potential Target 4660 Nereus: Results From Meudon Observations at the NASA Infrared Telescope Facility (IRTF)*, **Planetary & Space Science**, Vol. **52(4)**, pp 291-296, 2004.
91. Fulchignoni, M, Delsanti, A., Barucci, M.A., **Birlan, M.** - *Toward a Taxonomy of the Edgeworth-Kuiper Objects: A Multivariate Approach - Earth, Moon, and Planets*, vol. **92**, pp 1-4, 2003.
92. Fornasier, S., Barucci, M.A., Binzel, R.P., **Birlan, M.**, Fulchignoni, M., Barbieri, C., Bus, S.J., Harris, A.W., Rivkin, A.S., Lazzarin, M., Dotto, E., Erikson, A., Doressoundiram, A., Bertini, I., Peixinho, N., - *A portrait of 4979 Otawara, target of the Rosetta space mission*, **Astronomy & Astrophysics**, vol **398**, pp 327-333, 2003.
93. **Birlan M.** – *First remote observation between IRTF-Hawaii and Observatoire de Paris-Meudon Ad-Astra*, vol **1**, n. **2**, 2002, ISSN 1583-0462
94. **Birlan M.** – *Dynamic and physical considerations on the asteroids' density*, **Earth, Moon and Planets** n. **88**, pp 1-10, 2002.
95. Bocsa G., **Birlan, M.** - *Intermediate stars in extragalactic radiosource fields* **Romanian Astronomical Journal**, vol **11**, n. **2**, pp 181-186, 2001.
96. Lazzarin M., Fornasier S., Barucci M.A., **Birlan M.** - *Groundbased investigation of asteroid 9969 Braille, target of the spacecraft mission Deep Space 1* **Astronomy & Astrophysics**, n. **375**, pp 281-284, 2001.
97. Barucci M.A., Fulchignoni, M., **Birlan M.**, Doressoundiram A., Romon J., Boehnhardt H, - *Analysis of Trans-Neptunian and Centaur colours: continuous trend or grouping?*, **Astronomy & Astrophysics**, n **371**, pp 1150-1154, 2001.
98. Fulchignoni M., **Birlan M.**, Barucci M.A. - *The extension of the G-mode asteroid taxonomy* **Icarus**, n. **146**, pp 204-212, 2000.
99. **Birlan M.** – *Emission in absorption lines; results of the SL9 L nucleus impact on Jupiter*, **Romanian Astronomical Journal**, vol **10**, n. **8**, pp 137-144, 2000.
100. Doressoundiram A., Weissman P.R., Fulchignoni M., Barucci M.A., LeBras A., Colas F., Lecacheux J., **Birlan M.**, Lazzarin M., Fornasier S., Dotto E., Barbieri C., Sykes M.V., Larson S., Hergenrother C. - *4979 Otawara: Flyby target of the Rosetta mission* **Astronomy & Astrophysics** , vol **352**, n. **2**, pp 697-702, 1999.
101. Vaduvescu O., Stefanescu G., **Birlan M.** - *CCD and photographic observations of the comet C/1996B2 (Hyakutake)* **Romanian Astronomical Journal**, vol. **8**, pp 43-51, 1998.
102. Bocsa G., **Birlan M.** - *Astrometric precise positions of the comet Hale-Bopp at Bucharest Observatory* **Romanian Astronomical Journal**, vol. **7**, pp 199-200, 1997.
103. Florezak M., Dotto E., Barucci M.A., **Birlan M.**, Erikson A., Fulchignoni M., Nathues A., Perret L., Thebault P. - *Rotational properties of main belt asteroids: Photoelectric and CCD observations of 15 objects* **Planetary & Space Science** vol. **45**, n. **11**, pp 1423-1435, 1997.

104. **Birlan M.**, Barucci M.A., Angeli C., Doressoundiram A., DeSanctis M.C. - *Rotational properties of asteroids: CCD observations of nine small asteroids* **Planetary & Space Science** vol. **44**, n. **6**, pp 555-558, 1996.
105. **Birlan M.**, Barucci M.A., Fulchignoni M. - *G-mode analysis of reflection spectra for 84 asteroids* **Astronomy & Astrophysics** vol **305** n. **2**, pp 984-988, 1996.
106. **Birlan M.**, Fulchignoni M., Barucci M.A. - *Effects of IRAS albedo corrections on Barucci's asteroid taxonomy*, **Icarus**, **124**, pp 352-354, 1996.
107. **Birlan M.** - *CCD photometry of the asteroid 2419 Moldavia*, **Romanian Astronomical Journal** vol. **6**, n. **1**, 1996.
108. Vaduvescu O., **Birlan M.** - *Software package for preparing and processing of an astronomical observation*, **Romanian Astronomical Journal** vol. **6**, n. **1**, pp 97-99, 1996.
109. **Birlan M.**, Bocsa G. - *Observations of minor planets in 1990-1994 at the Bucharest Astronomical Observatory*, **Romanian Astronomical Journal**, vol. **5**, n. **2**, pp 185-191, 1995.
110. Vass G, Bocsa G., Ionescu V., Alexiu A., **Birlan M.** - *A Preliminary Analysis of the DataBase for Wide-Field Plate Archive in Bucharest*, **Romanian Astronomical Journal** vol. **4**, n. **2**, pp 13-185, 1994.
111. Vass G, Bocsa G., Ionescu V., Alexiu A., **Birlan M.** - *Wide field plate archive data base in Bucharest*, **Romanian Astronomical Journal** vol. **4**, n. **2**, pp 179-181, 1994.
112. **Birlan M.** - *On the physical and dynamics properties of asteroids*, **Romanian Astronomical Journal** vol. **3**, n. **2**, pp 123-126, 1993.

BOOKS

1. *Introducere in lumea asteroizilor* - Editura Zorio, ISBN 978-606-8759-23-4, 2018 (in Romanian)
2. *Connaissance des Temps* (2005-2019) - EDP Sciences, ISBN: 978-2-7598-2132-XX (in French, Editor, and co-authorship for Chapters 1 and 8 each year)
3. *Anuarul Astronomic* 1998 - Editura Academiei Romane, ISSN 0256-5277 (in Romanian, member of Editorial board)
4. *Anuarul Astronomic* 1993-1997 - Editura Academiei Romane (In Romanian, contributor)

Articles in proceedings:

1. C. Marmo, F. Colas, S. Bouley, J. Vaubaillon, ..., **M. Birlan**, L. Maquet, ... - *The FRIPON project or pride and prejudice in citizen science*, ADASS XXVI, ASP Conference Series, vol 521, Astronomical Society of the Pacific, 2019
2. **M. Birlan**, A. Nedelcu - *Reflectance spectroscopy of asteroids*, 6-th International Conference "Telecommunications, Electronics and Informatics", Chisinau 24-27 mai 2018
3. Colas, F., **Birlan, M.**, J.-L. Rault, B. Zanda, S. Bouley, J. Gattacceca, J. Vaubaillon, P. Vernazza, S. Jeanne, L. Jorda, C. Marmo, et al, - *FRIPON—Status of radio and optical network*, International Meteor Conference, Petnica 18-21 September 2017, Serbia
4. Rault, J.-L., **Birlan, M.**, Blanpain, C., Bouley, S., Caminade, S., Colas, F. et al - *Fine-scale observations of the Doppler frequency shifts affecting meteor head radio echoes* - International Meteor Conference, Petnica 18-21 September 2017, Serbia
5. B. Dumitru, **M. Birlan**, A. Nedelcu, M. Popescu - *Investigation of meteor shower parent bodies using various metrics*, Proceeding of the Internantional Meteor Conference 2016, Egmond, Netherland, Eds.: Roggemans, A.; Roggemans, P., ISBN 978-2-87355-030-1, pp. 69-72A.
6. Sonka, **M. Birlan**, A. Nedelcu, M. Popescu - *PHEMU2015 observational campaign in the Astronomical Institute of the Romanian Academy*; PHEMU2015 Proceeding, Paris Observatory, France, 15-18 oct 2015
7. O. Erece, Z. Eker, M. Kaplan, G. Aslan, **M. Birlan**: - *Turkish Facilities to meet Gaia Solar System TOO Observations*, Gaia-FUN-SSO-3 Workshop Proceeding, Paris Observatory, France 24-26 November 2014,
8. Z. Eker, **M. Birlan**, M. Kaplan, O. Erece, G. Aslan, M. Popescu, A. Nedelcu: - *Astrometry and Photometry of Karin Asteroid Family Members*, Gaia-FUN-SSO-3 Workshop Proceeding, Paris Observatory, 24-26 November 2014, France
9. F. Colas, B. Zanda, S. Bouley, J. Vaubaillon, P. Vernazza, J. Gattacceca, C. Marmo, Y. Audureau, M.-K. Kwon, L. Maquet, J.-L. Raul, **M. Birlan**, A. Egal, M. Rotaru, C. Birnbaum, F. Cochard , O. Thizy - *The FRIPON and Vigiel-Ciel networks*, Internantional Meteor Conference, Giron 18-21 September 2014, France
10. Y. Audureau, C. Marmo, S. Bouley, M.-K. Kwon, F. Colas, J. Vaubaillon, **M. Birlan**, B. Zanda, P. Vernazza, S. Caminade, J. Gattecceca - *FreeTure, A Free software to capTure meteors for FRIPON*, Internantional Meteor Conference, Giron 18-21 September 2014, France
11. M.-K. Kwon, F. Colas, J. Vaubaillon, **M. Birlan**, B. Zanda, C. Marmo, S. Bouley, Y. Audureau, P. Vernazza, J. Gattacceca - *Astrometry with fish eye lens and orbit determination*, Internantional Meteor Conference, Giron 18-21 September 2014, France
12. N. Rambaux, D. Galayko, J.-F. Mariscal, M.-A. Breton, J. Vaubaillon, **M. Birlan**, F. Colas, T. Fouchet - *Detection of spectral UV of meteor from a nanosatellite*, Internantional Meteor Conference, Giron 18-21 September 2014, France
13. **M. Birlan**, F. Colas, M. Popescu, A. Nedelcu – *Groundbased observational campaigns of NEAs*, GAIA-FUN workshop, Paris, Septembre 2012.
14. **M. Birlan** & EuroNEAR team- *Near-Earth Asteroids Data mining on Astronomical Databases: EuroNEAR experience. NAROO symposium*, Paris, June 2012
15. **M. Birlan** – *Near-Earth Asteroids as source of meteors* IMC2011 Proceedings, Sibiu 15-17 septembre 2011, Roumanie

16. R. P. Binzel, F. E. DeMeo, M. Lockhart, A. Tokunaga, C. A. Thomas, A. S. Rivkin, S. J. Bus, **M. Birlan**, P. Vernazza, and T. H. Burbine - *Spectral Reconnaissance for 200 Near-Earth Object Mission Targets*, **LPSC 42**, Huston, March 2011
17. M. Popescu, O. Vaduvescu, **M. Birlan** – *Mega-Preccovery, a dedicated project for data mining worldwide image archives for poorly known asteroids*, Journées Scientifiques de l'IMCCE, 22-24 novembre 2010, en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S095, 2010;
18. **M. Birlan** – *V-type asteroids in the Main-Belt*, Journées Scientifiques de l'IMCCE, 22-24 novembre 2010, en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S095, 2010;
19. **M. Birlan**, O. Vaduvescu, A. Nedelcu and the EURONEAR team – *High precision astrometry via EURONEAR observations*, **Romanian Astronomical Journal Supplement**, vol **20**, pp 119-124, 2010
20. **M. Birlan** - *Accurate position of atmosphereless solar-system bodies*, **Romanian Astronomical Journal Supplement**, vol **20**, pp 135-140, 2010
21. **M. Birlan**, A. Nedelcu - *Astrometry in the Uranian system of satellites*, **American Institute of Physics Journal** EXPLORING THE SOLAR SYSTEM AND THE UNIVERSE, vol. **1043**, pp. 159-162, 2008
22. D. A. Nedelcu, **M. Birlan** - *Ground based science of ESA's Rosetta mission targets: (21) Lutetia and (2867) Steins*, **American Institute of Physics Journal** EXPLORING THE SOLAR SYSTEM AND THE UNIVERSE, vol. **1043**, pp. 171-174, 2008
23. **M. Birlan**, O. Vaduvescu – *Near-Earth Observations with 2.2m/WFI in ESO-La Silla*, Journées Scientifiques de l'IMCCE, 5-7 juin 2008, en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S094, 2008;
24. A. Nedelcu, J. Souchay **M. Birlan**, P. Popescu, P. Paraschiv- *Asteroids astrometry as a link between ICRF and the Dynamical Reference Frames* IAU Symposium No.248 A Giant Step: from Milli- to Micro-arcsecond Astrometry Shanghai, China October 15-19, 2007
25. Vernazza, P., Rossi, A., **Birlan, M.**, Fulchignoni, M., Nedelcu, A., Dotto, E. – *832 Karin : Absence of rotational spectral variations*, 38-th LPSC, March 12-16, 2007.
26. Binzel, R.P., Masi, G., Foglia, S., Vernazza, P., Burbine, T.H., Thomas C.A., DeMeo, F.E., Nesvorny, D., **Birlan, M.**, Renner, S., Fulchignoni, M. – *Searching for V-type and Q-type main-belt asteroids based on SDSS colors* 38-th LPSC, March 12-16, 2007.
27. **M. Birlan**, William Thuillot – *Remote observations technique; the CODAM achievements*, Proceedings of Nikolaiev Colloquium, Ukraine, 25-29 september 2006.
28. **M. Birlan** – *Tracers of Collisions in the Main Belt* – en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S087, 2006;
29. J.-L. Simon, A. Fienga, **M. Birlan**, J. Normand, W. Thuillot – *La nouvelle Connaissance des Temps* – en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S087, 2006;
30. Descamps P., Marchis F., Michalowski T., Vachier F., Colas F., Berthier J., Assafin M., Dunckel P.B., Polinska M., Pych W., Hestroffer D., Miller K., Vieira-Martins R., **Birlan M.**, Teng-Chuen-Yu J., Peyrot A., Payet B., Dorseuil J., Leonie Y., Dijoux T. – *Le système double d'Antiope* – en *Notes scientifiques et techniques de l'Institut de Mécanique Céleste*, S087, 2006;
31. **M. Birlan**, A. Nedelcu - *Collisions history in the main-belt by spectroscopic methods* ESLAB-40,; First International Conference on Impact Cratering in the Solar System, ESTEC Noordwijk, 8-12 Mai 2006 (ESA-SP612, July 2006);
32. **M. Birlan**, Gh. Vass, C. Teleanu – *Bringing forth the spirit of astronomy by using conceptual maps*, Communicating astronomy with the public 2005, Garching, 13-17 June 2005.
33. Barucci M.A., Fulchignoni, M., Belskaya, I., Vernazza, P., Dotto, E., **Birlan, M.** - *Rosetta asteroid candidates*, in *The NEW Rosetta targets. Observations, simulations and instrument performances* Astrophysics and Space Science Library (ASSL) Vol. 311, Kluwer (ISBN: 1-4020-2572-6). (Eds. L. Colangeli, E. Mazzotta-Epifani, P. Palumbo); 2004
34. A. Merand, **M. Birlan**, V. Coudé du Foresto, R. Lelu de Brach - *Remote observations with FLUOR and the CHARA Array*, **SPIE**, Vol. 5491, 2004
35. M.A. Barucci, M. Fulchignoni, **M. Birlan**, P. Vernazza, E. Dotto, A. Doressoundiram – *Rosetta asteroid candidates* - Highlights of Astronomy, vol. 13, **XXVth General Assembly of the IAU**, Sidney, July 2003

36. S. J. Bus, A. J. Denault, J. T. Rayner, R. P. Binzel, **M. Birlan** - *Remote observing at the NASA Infrared Telescope Facility (IRTF)*, - SPIE Conference, Advanced Global Communications Technologies for Astronomy II, Hawaii, August, 2002
37. **M. Birlan**, R. Binzel – *Paris Observatory Remote Observing January-May 2002: Sharing the Experience to Educational Astronomy*, Global Hands-On Universe Conference Proceedings, Paris, July, 2002
38. **M. Birlan** - *Asteroids density: an overview* - "Ceres 2001" Workshop IMCCE, Paris, 2001
39. **M. Birlan**, Bocsa G. - *Intermediate stars in extragalactic radio source fields: Astrometric measurements* IAU Colloquium 180, Washington, 2000
40. M.A. Barucci, **M. Birlan** - *Photométrie CCD: application aux astéroïdes* Quatrièmes rencontres des Carcassonne sur les techniques de détection optique en astronomie, Carcassonne, Mai, 1996

MINOR PLANET ELECTRONIC CIRCULARS

- MPEC 2019-S182, M.P.E.C. 2019-T11, M.P.E.C. 2019-T22, M.P.E.C. 2019-T44(interstellar object Borisov)
- MPEC 2018-B155
- MPEC 2017 - J52: Observations and orbits of comets
- MPEC 2014-V25, 2014-V20, 2014-V16, 2014-V15, 2014-V10
- MPEC 2012, No. 77927
- MPEC 2011, No. 77173, MPEC-2011-W23-W30-W31 (Daily orbit update obs code 586), MPEC-2011-W29 – 2011 WW4, MPEC-2011-W28 – 2011 WV4, MPEC-2011-W27 – 2011 WU4, MPEC-2011-W25 – 2011 WP4, MPEC-2011-W22 – 2011 WV2, MPEC-2011-W12 – 2011 WM2, MPEC-2011-E68 – Daily orbit update (Apophis), MPEC-2011-E14 -2011 ET4, MPEC-2011-E13 – 2011 ES4, MPEC-2011-E12 – 2000 EB14, MPEC-2011-E11 – 2007 ES, MPEC 2010-W13 – 2010 RF181
- MPEC 2010-W12 – 2010 WJ, MPEC 2010-W11 – 2010 WH, MPEC 2010-H57 – Comet Vales
- MPEC 2009-X30 (3 Dec 2009) – 2007 WV3, M.P.C 66690 (Aug 2009) – astrometry OHP, M.P.C. 66453 (July 2009) astrometry OHP
- IAUC 9024, (3 Mars 2009) – 2009 DD45
- M.P.C. 63369, (Aout, 2008) - astrometry ESO - MPI/WFI-2.2m, M.P.C. 62262 (Mai, 2008) - astrometry ESO - MPI/WFI-2.2m, M.P.C. 62573 (Avril, 2008) – astrometry ESO - MPI/WFI-2.2m
- M.P.C. 59865 (June, 2007) - 153 positions for 18 NEAs and PHAs observed at Haute Provence using the 1.2m telescope, MPEC 2007-J32 - 2007 JX2 (first recovery of a new asteroid)
- M.P.C. 57118 (May, 2006) - 122 positions for 13 NEAs and PHAs observed at Pic du Midi using the 1m telescope

Invited talks

1. **M. Birlan**, F. Colas, F.Cochard, et al - *Sovag-news of project*, Journée Action Federatrice ESTERS, 21 Février 2020, Observatoire de Paris, France.
2. F. Colas, B. Zanda, **M. Birlan**, Fripon & Vigie-ciel teams - *Fripon et Vigie ciel – résultats scientifiques*, Journée Action Federatrice ESTERS, 21 Février 2020, Observatoire de Paris, France.
3. **Mirel Birlan**, D.A. Nedelcu, A. Sonka, M. Balan, V. Plesca, C Banica, C. Gandescu, A. Pandele, T. Georgescu: *Tests of mobile platforms for optical astronomy*, New horizons in space and planetary astrophysics. Honoring IAU 100, October 16-19, 2019, Bucarest, Romania
4. **M. Birlan** - *Near-Earth-Objects Reflectance Spectroscopy*, Natural Space Risks 2019, Summer School, Observatoire de Paris 26-31 aout 2019

5. D.A. Nedelcu, **M. Birlan** - *Astrometry of Potentially Active Asteroids*, The ninth congress of Romanian mathematicians, Galati, June 28- July 3, 2019, Romania
6. D.A. Nedelcu, **M. Birlan** - *Astrometry of Potentially Active Asteroids*, The ninth congress of Romanian mathematicians, Galati, June 28- July 3, 2019, Romania
7. **M. Birlan** - *Observing and modeling asteroids : morphology and internal structure*, Geosciences Day, Acadelia Romana, Aula Magna, Bucharest 31 May 2019
8. A. Nedelcu, **M. Birlan**, V. Turcu, O. Badescu, C. Dumitrache, et al - *Photographic Plate Archive in the Astronomical Institute of the Romanian Academy: recent progress*, Workshop NAROO, Meudon 1-3 april 2019.
9. A. Sonka, **M. Birlan**, S. Anghel, F. Vachier, J. Berthier, A. Klotz, et al - *Photometry Observations of 2005 UD from Bucharest and Le Makes Observatories*, PERC-IDP 2019, February 11-14, Chiba, Japon
10. **M. Birlan** - *Spectroscopy of asteroids*, Journee Action Federatrice Astrochimie, 11 Janvier 2019, Observatoire de Paris, France.
11. **M. Birlan**, A. Sonka, O. Badescu, A. Gornea, S Anghel, A Nedelcu, F. Colas, and P. Vernazza - *Observational opportunities for Near-Earth Objects*, 7th IAA Conference on Space Systems as Critical Infrastructure Ways, Means, Resilience, 2-3 August 2018, Mamaia, Romania
12. **M. Birlan**, A. Sonka, A. Gornea, S Anghel, A Nedelcu, F. Colas, and P. Vernazza - *Surveillance and opportunities for observing Near-Earth Objects*, Didymos Observer Workshop, Prague June 19-21, 2018, Czech Republic.
13. **M. Birlan**, A. Nedelcu - *Reflectance spectroscopy of asteroids*, 6-th International Conference "Telecommunications, Electronics and Informatics", Chisinau 24-27 mai 2018
14. **M. Birlan**, F. Colas, B. Zanda, J. Vaubaillon, S. Bouley, P. Vernazza, J-L. Rault - *Records and status of FRIPON network*, Cluj Academic Days, Cluj Mai 17-19, 2018
15. A. Nedelcu, **M. Birlan**, V. Turcu, O. Badescu, I. Boaca, A. Gornea, O. Blagoi, C. Danescu, P. Paraschiv - *The MOROI network, Meteorite Orbits Reconstruction by Optical Imaging*, Cluj Academic Days, Cluj Mai 17-19, 2018
16. **M. Birlan** - *Les projets Cubesats dans le périmètre d'ESTERS - Meteorix*, AG-ESTERS, Observatoire de Paris, 3 avril 2018
17. S. Jeanne, F. Colas, B. Zanda, J. Vaubaillon, S. Bouley, C. Marmo, J-L Rault, ..., **M. Birlan** - *FRIPON, status of the radio and optical network*, International Meteor Conference, 21-25 sept 2017, Petnica, Serbie
18. J-L Rault, **M. Birlan**, S. Bouley, S. Caminade, F. Colas, et al - *FRIPON fine-scale observations of the Doppler frequency shifts affecting meteor head radio echoes* International Meteor Conference, 21-25 sept 2017, Petnica, Serbie
19. J. Vaubaillon, A. Egal, M.K. Kwon, C. Marmo, **M Birlan**, et al - *FRIPON: the FRIPON pipeline*, International Meteor Conference, 21-25 sept 2017, Petnica, Serbie
20. **M. Birlan** - *Near-Earth Asteroids: spectroscopic observations*, Natural Space Risks, Observatoire de Paris, 28 aout-1 septembre 2017
21. **M. Birlan** - *The importance of asteroids in deciphering the Solar System history*, Asteroid Day 30 June 2017, Astron. Institute of the Romanian Academy, Bucharest Romania
22. **M. Birlan** - *Camera hyperspectrale pour l'utilisation spectroscopique dans l'analyse des géocroiseurs; retour d'expérience vers METEORIX - Réunion Meteorix - 27 juin 2017*, Université Paris 6
23. **M. Birlan** - *Asteroid families: diversity inside the small solar system body population*, Cluj Academic Days, Cluj Mai 29-30, 2017.
24. **M. Birlan** - *Spectrographe pour observations en visible d'astéroïdes géocroiseurs en 2017 - AG du Pole ESTERS de Observatoire de Paris*, Meudon le 30 Janvier 2017;
25. J. Vaubaillon, B. Tregon, **M. Birlan**, F. Jabet - *Projet MUSCAT: relevé complet de météores - Colloque DIM-ACAV*, Observatoire de Paris, 12 Decembre 2016;
26. **M. Birlan** - *Spectrographe pour observations en visible d'astéroïdes géocroiseurs - Colloque DIM-ACAV*, Observatoire de Paris, 12 Decembre 2016;
27. **M. Birlan** - *FRIPON - network of meteor allsky cameras*, Cluj Academic Days, Cluj Mai 29-30, 2016.
28. **M. Birlan** - *Asteroid spectra for revealing mineralogy of surfaces*, Workshop: The nature of the dark primitive asteroids: Preparations for OSIRIS-REx and Hayabusa 2 missions, 25-27 Mai 2016, Observatoire de Paris-Meudon, France
29. **M. Birlan**, N. Rambaux, D. Galayko, et al - *METEOR - one project of nanosat for education in Paris VI University - Prietenii Diasporei*, 25-28 avril 2016, Timisoara, Romania
30. **M. Birlan**, M. Popescu, A. Nedelcu, A. Sonka, B. Dumitru - *Physics of two PHAs using groundbased observations - AIM scientific meeting*, 1-2 March 2016, ESAC - Vilafranca, Spain
31. **M. Birlan** - *Solar System observations in the space exploration era - Lights of the World*, 30 Oct -1 Nov 2015, Bucharest Parliament Palace, Romania
32. Sonka A., Popescu M., Nedelcu A., **Birlan M.** - *PHEMU2015 - the Bucharest observational program*, L'astrométrie/photométrie du système solaire après GAIA, Meudon/Paris 15-18 oct 2015
33. **Birlan M.** - *Monitoring Near-Earth Asteroids in the frame of natural hazards* Space as critical infrastructure Mamaia Romania 6-7 august 2015
34. **Birlan M.** - *Co-ordination of surveys for Near-Earth Asteroids - PASSO*, Hateg Romania, 27-31 mai 2015
35. **Birlan M.** - *Data mining archives and NAROO project - PASSO*, Hateg Romania, 27-31 mai 2015
36. **Birlan M.** - *Meteor - a nanosat educational project of "Pierre et Marie Curie" Paris 6 University - PASSO*, Hateg Romania, 27-31 mai 2015
37. **Birlan M.** - *NEO Event: Fireball over Romania - UNO - COPUOS Scientific and Technical Subcommittee - 52 session*, Vienne, 3-5 Février 2105
38. Nedelcu D.A., **Birlan M.**, Popescu M., Bădescu O. - *Observații spectroscopice ale asteroizilor în domeniul infraroșului apropiat*, Astronomul Nicolae Donici - 140 de ani de sa naissance, Academie Roumaine -Bucarest, 8 Septembre 2014
39. **Birlan M.** - *Physics of binary asteroids via astronomical observations*, Cluj Academic Days, Cluj Mai 29-30, 2014.

40. **Birlan M.** – *CODAM – Overview of facility/science inside Paris Observatory*, CODAM-10 workshop, Meudon, France, 21-22 January, 2013
41. **M. Birlan** – *Marco Polo-R – Sample return mission for Near-Earth Asteroids, in study to ESA Diaspora 2013/Spatiu-Stiinta, Tehnologie si Aplicatii*, Bucurest, 25-28 september 2012, Romania ;
42. **M. Birlan** – *Groundbased observational campaigns of NEAs*, GAIA-FUN workshop, Paris, Septembre 2012.
43. **M. Birlan** – *Remote observing spectra of asteroids*, Golden Age of Solar System Exploration, Roma, 11-13 september 2012, Italy ;
44. **M. Birlan** - *Near-Earth Asteroids Data mining on Astronomical Databases: EuroNEAR experience*. NAROO symposium, Paris, June 2012
45. **M. Birlan** - *L'observation des astéroïdes géocroiseurs, programme EURONEAR, les observations spectroscopiques*, PROAM 2012, Ecole thématique CNRS, rencontre astronomes professionnels et amateurs, La Rochelle 30 mai-3 juin 2012 ;
46. **M. Birlan**, M. Popescu, F. Colas, and A. Nedelcu: – *Focus on (175706) 1996FG3: modeling spectra using M4AST and new observational results from Pic du Midi* Physical characterization of Marco Polo-R targets, Meudon 12-13 janvier 2012, France
47. **M. Birlan** – *Near-Earth Asteroids as source of meteors* International Meteor Conference, Sibiu 15-17 septembre 2011, Roumanie
48. **M. Birlan** – *Le réseau Euronear : présent et projets pour les astéroïdes géocroiseurs*, Réunion de travail de l'Association Aude, 19 mars 2011, Observatoire de Paris, Salle de l'Atelier
49. **M. Birlan** - *Les géocroiseurs : petits, frais, dangereux,... mais pas trop!*, Colloque ADSG, 18 mars 2011, Université de Namur, Belgique
50. **M. Birlan** – *Spectroscopy of Near-Earth Asteroids*, Collisions dans le système solaire, Ecole CNRS 3-8 mai 2010, Cussac , France
51. **M. Birlan**, O. Vaduvescu, A. Nedelcu and the EURONEAR team – *High precision astrometry via EURONEAR observations*, Conference on Recent Insights into our Universe, Bucharest, Romania, 28–29 October 2009
52. **M. Birlan** - *Accurate position of atmosphereless solar-system bodies*, Conference on Recent Insights into our Universe, Bucharest, Romania, 28–29 October 2009
53. **M. Birlan** - *Observations of NEOs in the frame of EuroNEAR* – Workshop Earth-Based support to GAIA solar system science, Beaulieu sur mer, France, 27-28 oct 2008
54. **M. Birlan**, O. Vaduvescu – *Near-Earth Observations with 2.2m/WFI in ESO-La Silla*, Journées Scientifiques de l'IMCCE, 5-7 juin 2008
55. **M. Birlan** – *Physical properties and surface composition of Main-Belt asteroids* - The Solar System Bodies: from Optics to Geology, Kharkov –Ukraine, 26-29 mai 2008
56. **M. Birlan**, A. Nedelcu - *Astrometry in the Uranian system of satellites*, Exploring the solar system and the universe, Bucharest, Romania, 8–12 April 2008
57. D. A. Nedelcu, **M. Birlan** - *Ground based science of ESA's Rosetta mission targets: (21) Lutetia and (2867) Steins*, Exploring the solar system and the universe, Bucharest, Romania, 8–12 April 2008
58. J.-E. Arlot, **M. Birlan**, V. Robert, V. Lainey, D. Pascu, L. Winter, J.-P. de Cuyper, Gh. Bocsa, L. Serbanescu, E. Khrutskaya - *Exploration of the Solar system: projection of the past into the future*, Exploring the solar system and the universe, Bucharest, Romania, 8–12 April 2008
59. **Mirel Birlan** – *Familles physiques d'astéroïdes* - Ecole thématique CNRS: Récentes Investigations en Dynamique des Corps Célestes dans les Systèmes Solaire et Extra-solaires, Bad Hofgastein, Autriche, mars 2007.
60. **Mirel Birlan** - *Mineralogy variegation on binary systems of asteroids* - Asteroids and Resonances: Open Problems and Perspectives - Commemorative workshop for the 70th anniversary of Professor Sylvio Ferraz Mello, Meudon Observatory, September 25-28, 2006
61. **Mirel Birlan**, Gheorghe Vass, Constantin Teleanu – *The epistemological background of our strategy* – SPS2 – Strategies in teaching astronomy, IUA – GA, Prague, 14-15 august 2006.
62. **Mirel Birlan** – *Spectroscopie des familles d'astéroïdes* PROAM 2006, Ecole thématique CNRS, rencontre astronomes professionnels et amateurs, 23-26 mai 2006
63. **Mirel Birlan** - *L'observation à distance en infra-rouge proche des corps du système solaire* Nouvelles techniques d'observation et bases de données : apports en astrométrie et mécanique céleste, Ecole thématique CNRS, 21-25 mars 2005
64. **Mirel Birlan** – *Remote observing in Paris – CHARA Collaboration* – One Year Review Workshop, Paris, 7-12 February, 2005.
65. **Mirel Birlan** - *Near-IR spectroscopy of Karin family of asteroids*, Astrometry with Small Telescopes, Bucharest 20-22 October 2004.
66. **Mirel Birlan** - *Density of small bodies on the solar system: correlations and cosmogonical implications* - Scientific session of the Romanian Academy, Bucharest, 20-22 April 2000.
67. **Mirel Birlan** - *CCD photometry of the asteroids targets of the ROSETTA mission* - Scientific session of the Romanian Academy, Bucharest, 1998
68. **Mirel Birlan**, Maria Antonietta Barucci - *Pratique de la photométrie des astéroïdes* - Quatrièmes rencontres sur les techniques de détection optique en astronomie, Carcassonne, May 1996.

Conferences and Posters

1. S. Anghel, **M. Birlan**, D.A. Nedelcu, I. Boaca - *Photometry for MOROI network: a case study of atmospheric extinction*, Bucharest University Faculty of Physics 2019 Meeting, 21-22 June 2019

2. A. Sonka, **M. Birlan**, A. Gornea, I. Boian - *Physical parameters of Near Earth Asteroids*, Bucharest University Faculty of Physics 2019 Meeting, 21-22 June 2019
3. S. Jeanne, F. Colas, **M. Birlan**, J. Vaubaillon, S. Bouley, P. Vernazza, P. Hewins - *FRIPON network, first results and error estimation*, Meteoroids 2019, Bratislava, Slovakia, 17-21 June 2019
4. S. Anghel, D.A. Nedelcu, **M. Birlan**, I. Boaca, A. Sonka - *Photometry allsky cameras of MOROI network*, Bucharest Impacts and their role in the evolution of life, Tälberg, Suede, 10-13 June 2019,
5. Vaubaillon, A. Caillou, P. Deverchere, A. Cristou, C. Colmer, D. Zilkova, J. Laskar, D. Baratoux, P. Beck, **M. Birlan**, S. Bouley, B. Carry, F. Colas, L. Maquet, P. Vernazza - *The meteor automated light balloon experimental camera*, Meteoroids 2019, Bratislava, Slovakia, 17-21 June 2019
6. - *The current status of MOROI network. Astrometric reduction of multistation events and meteoroids orbits* - RECENT DEVELOPMENTS IN ASTRONOMY, ASTROPHYSICS, SPACE AND PLANETARY SCIENCES, 27-29 May 2019, Cluj-Napoca, Romania
7. A. ŞONKA, **M. Birlan**, A. GORNEA, I. BOIAN - *Photometry of selected NEA sample in Bucharest*, RECENT DEVELOPMENTS IN ASTRONOMY, ASTROPHYSICS, SPACE AND PLANETARY SCIENCES, 27-29 May 2019, Cluj-Napoca, Romania
8. **M. Birlan**, A. Sonka, D.A. Nedelcu, M. Balan, S. Anghel, C. Pandeale, M. Trusculescu, C. Dragasanu, V. Plesca, C. H. Gandescu, C. Banica, T. Georgescu- *Optical asset on mobile platform* - RECENT DEVELOPMENTS IN ASTRONOMY, ASTROPHYSICS, SPACE AND PLANETARY SCIENCES, 27-29 May 2019, Cluj-Napoca, Romania
9. S. Anghel, D.A. Nedelcu, **M. Birlan**, I. Boaca - *Photometry of all-sky cameras: preliminary results for MOROI network*, RECENT DEVELOPMENTS IN ASTRONOMY, ASTROPHYSICS, SPACE AND PLANETARY SCIENCES, 27-29 May 2019, Cluj-Napoca, Romania
10. **M. Birlan**, A. Sonka, A. Nedelcu, F. Colas, V. Turcu, S. Anghel - *Near-Earth Asteroids Monitoring for Hazard Assessments*, 2019 IAAA Planetary Defense Conference, Washington-USA 29 April -3 May, 2019
11. F. Yoshida ... **M. Birlan**, ... et al, *Observation campaign of (3200) Phaeton and (155140) 2005 UD in 2017-2018*, PERC-IDP 2019, February 11-14, Chiba, Japon
12. Binzel R.P., DeMeo F., Morbidelli A, Carry B, Granvik M., Burbine T, Vernazza P., **Birlan M.** - *Near-Earth Asteroid and Meteorite Source Regions: The Big Picture*, American Astronomical Society, DPS meeting #50, id.105.03, 21-26 Oct 2018, Knoxville, Tennessee, USA
13. Marsset M., Vernazza P., Castillo-Rogez J., Rambaux N., Carry B., Hanus J., Viikinkoski M., Marchis F., Drouard A., ... **Birlan M.**,... - *Pallas's formation and internal structure: New insights from VLT/SPHERE*, American Astronomical Society, DPS meeting #50, id.404.07, 21-26 Oct 2018, Knoxville, Tennessee, USA
14. Marchis F., Viikinkoski M., Vernazza P., Hanus J., Marsset M., Drouard A.,... **Birlan M.**,... - *(16) Psyche: A Mesosiderite-like Asteroid With No Moons?* American Astronomical Society, DPS meeting #50, id.404.08, 21-26 Oct 2018, Knoxville, Tennessee, USA
15. Hanus J., Vernazza P., Viikinkoski M., Carry B., Marsset M., Marchis F.,... **Birlan M.**,... - *Deciphering the cratering record of (7) Iris*, American Astronomical Society, DPS meeting #50, id.404.06, 21-26 Oct 2018, Knoxville, Tennessee, USA
16. **P. Vernazza** M. Marsset, J. Hanus, B. Carry, M. Viikinkoski, ..., **M. Birlan**,...: *ESO/VLT/SPHERE Survey of D>100km Asteroids (2017-2019): First Results*, EPSC2018, Berlin 16-21 September 2018
17. M. Marsset, **P. Vernazza**, J. Hanuš, M. Viikinkoski, B. Carry, A. Drouard, ..., **M. Birlan**,...: *New insights into Pallas' formation and collisional history from VLT/SPHERE and SOFIA/FORCAST* EPSC2018, Berlin 16-21 September 2018,
18. **F. Colas**, K. Baillié, S. Bouley, B. Zanda, J. Vaubaillon, S. Jeanne, A. Egal, P. Vernazza, J. Gattacocca, **M. Birlan**, D. Baratoux, S. Sylla,: *FRIPON and IMPACT projects to pinpoint interplanetary matter in the centimetre - hundred meter range*, EPSC2018, Berlin 16-21 September 2018
19. **M. Birlan**, A. Nedelcu, A. Sonka, B. Dumitru - *The mission V-type NEAs*, IAU GA 2018, 20-31 August 2018, Vienna, Austria.
20. N. Rambaux, D. Galayko, G. Guignan, J. Vaubaillon, L. Lacassagne, P. Keckhut, A.C. Levasseur-Regourd, A. Hauchecorne, **M. Birlan**, G. Augarde, S. Barnie et al - *METEORIX: a cubesat mission dedicated to the detection of meteors*, COSPAR 2018, 42nd Assembly, Pasadena July 14-22, 2018 USA.
21. B. Dumitru, **M. Birlan**, A. Sonka, F. Colas, A. Nedelcu - *Photometric observations of five asteroids at Pic du Midi*, Bucharest University, Faculty of Physics 2018 Meeting Atmosphere and Earth Science, 21-22 June, 2018
22. A. Sonka, **M. Birlan**, A. Gornea, S. Anghel - *The case of 2012 TC4*, Bucharest University, Faculty of Physics 2018 Meeting Atmosphere and Earth Science, 21-22 June, 2018
23. E. Petrescu, **M. Birlan**, A. Sonka - *Monitoring the Great Red Spot, the largest anti-cyclone in our Solar System*, Bucharest University, Faculty of Physics 2018 Meeting Atomic and Molecular Physics, Astrophysics: Applications, 21-22 June, 2018
24. **M. Birlan** - *Base de données spectrale pour les astéroïdes - 7^{eme} Journée ESEP - Bases de Données et Observatoires Virtuels*, Meudon 23 novembre 2017, France
25. J Vaubaillon, F. Colas, C. Marmo, S. Bouley, B. Zanda, **M. Birlan**, et al - *Survey of Meteorite Falls: The Fripon Project*, 9th IAASS Conference Known Safety, No Pain, Toulouse 18-20 octobre 2017, France
26. F. Marchis, P. Vernazza, J. Hanus, M. Marsset, B. Carry, T. Santana-Ros, **M. Birlan** - *New Insights on 216 Kleopatra Based on Images Collected with the SPHERE Extreme AO System*, AGU Fall meeting, New Orleans 11-15 decembre 2017, USA
27. F. Marchis, P. Vernazza, J. Hanus, M. Marsset, B. Carry, **M. Birlan**, T. Santana-Ros, B. Yang, -*A large program to derive shape, cratering history and density of the largest main-belt asteroids*, American Astronomical Society, 49th DPS meeting, 15-20 oct 2017, Provo, Utah, USA

28. J. Hanus, P. Vernazza, M. Marsset, F. Marchis, B. Carry, T. Santana-Ros, **M. Birlan**, M. Viikinkoski, J. Durech, M. Kaasalainen - *Shape models of large asteroids based on disk-resolved images collected with SPHERE Extreme AO*, American Astronomical Society, 49th DPS meeting, 15-20 oct 2017, Provo, Utah, USA
29. P. Vernazza, F. Marchis, B. Carry, M. Marsset, J. Hanus, T. Santana-Ros, **M. Birlan**, C. Dumas, M. Viikinkoski, et al - *Asteroids as tracers of solar system formation: Probing the interior of primordial main belt asteroids*, European Planetary Science Congress 2017, 17–22 September 2017, Riga, Latvia
30. S. Erard, B. Ceconi, P. Le Sidaner, A. P. Rossi, B. Schmitt, B. Rousseau, F. Andrieu, M. Minin, V. Génot, J.-M. Glorian, and **M. Birlan** - *Spectroscopy of planetary surfaces in a VO context (VESPA)*, European Planetary Science Congress 2017, 17–22 September 2017, Riga, Latvia
31. B.A. Dumitru, **M. Birlan**, M. Dima - *Association between meteorites, meteor showers & Near-Earth Asteroids*, Bucharest University Faculty of Physics 2017 Meeting, Bucharest-Magurele, Romania, June 28, 2017;
32. **M. Birlan**, F. Colas, F. Cochard, B. Carry, P. Vernazza, S. Fornasier, D. Perna - *New concept of spectrograph for Near-Earth Asteroids*, Cluj Academic Days, Cluj Mai 29-30, 2017.
33. A. Nedelcu, **M. Birlan** - *Fast numerical integration of Solar System bodies orbits with precompiled positions*, Cluj Academic Days, Cluj Mai 29-30, 2017.
34. **M. Birlan** - *Asteroid families: diversity inside the small solar system body population*, Cluj Academic Days, Cluj Mai 29-30, 2017.
35. **M. Birlan**, F. Colas, F. Cochard, B. Carry, P. Vernazza, S. Fornasier, D. Perna - *Technics for observing asteroids: SOVAG instrument*, Asteroids, Comets, Meteors, Montevideo, Uruguay, 10-14 April 2017
36. M. Pajuelo, **M. Birlan**, B. Carry, F. DeMeo, M. Popescu, J. Berthier - *Spectral properties of binary asteroids*, Asteroids, Comets, Meteors, Montevideo, Uruguay, 10-14 April 2017
37. F. DeMeo, R.P. Binzel, S.J. Bus, D. Polishook, B. Burt, C.A. Thomas, N.A. Moskovitz, **M. Birlan**, A. Rivkin - *Spectral Properties of mission accessible NEOs*, Asteroids, Comets, Meteors, Montevideo, Uruguay, 10-14 April 2017
38. B. Dumitru, **M. Birlan**, M. Popescu, A. Sonka, A. Nedelcu - *Photometry & colors of NEAs at the origin of meteor showers*, IAC Winter School San Cristobal de La Laguna, in Tenerife (Canary Islands, Spain) in November, 7-16, 2016.
39. **M. Birlan**, M. Popescu, L. Irimiea, R. Binzel - *M4AST - a tool for asteroid modelling*, American Astronomical Society, DPS meeting #48, id.#325.17, Pasadena, USA, 16-20 oct 2016.
40. P. Vernazza, M. Marsset, P. Beck, R. Binzel, F. DeMeo, **M. Birlan**, et al - *C-complex asteroids: Two main compositional families?*, American Astronomical Society, DPS meeting #48, id.#510.06, Pasadena, USA, 16-20 oct 2016.
41. R. Binzel, F. DeMeo, T. Burbine, D. Polishook, **M. Birlan** - *Origins and asteroid main-belt stratigraphy for H, L, LL-chondrite meteorites*, American Astronomical Society, 2DPS meeting #48, id.#522.02, Pasadena, USA 16-20 oct 2016
42. B. Dumitru, **M. Birlan**, A. Nedelcu, M. Popescu - *Investigation of meteor shower parent bodies using various metrics*, International Meteor Conference, Egmond, Netherland, 2-5 June 2016.
43. Colas F., Klotz A., Vachier F., **Birlan M.**, Sicardy B., Lecacheux J.: *The "Station de Planétologie des Pyrénées" (S2P), a collaborative science program in the course of a long history at Pic du Midi observatory*. EPSC2015-913, 27 Sept-2 Oct 2015, Nantes, France.
44. Colas F., Zanda B., Bouley S., Vaubaillon J., Marmo C., Audureau Y., Kwon M.K., Rault J.L., Caminade S., Vernazza P., Gattacceca J., **Birlan M.**, et al: - *FRIPON, the French fireball network*, EPSC2015-800, 27 Sept-2 Oct 2015, Nantes, France.
45. Le Sidaner P., Abouadarham J., **Birlan M.**, Briot D., Bonnin X., Ceconi B., Chauvin C., Erard S., Henry F., Lamy L. et al: - *Planetary Sciences Interoperability at VO Paris Data Centre* EPSC2015-765, 27 Sept-2 Oct 2015, Nantes, France.
46. Binzel R.P., DeMeo F. E., Burt B. J., Polishook D., Burbine T. H., Moskovitz N., Bus S. J., Tokunaga A., **Birlan M.**: *Main-Belt Source Regions for Potentially Hazardous Near-Earth Asteroids and Sample Return Targets*, American Astronomical Society, DPS meeting #47, #301.03, 2015
47. Vernazza P., Marsset M., Beck P., Binzel R., **Birlan M.**, Brunetto R., DeMeo F. et al: *Interplanetary Dust Particles As Samples of Icy Asteroids*, American Astronomical Society, DPS meeting #47, #106.12, 2015
48. Marsset M., Vernazza P., **Birlan M.**, DeMeo F., Binzel R.P., Dumas C., Milli J., Popescu M. *Compositional study of the Themis family*, American Astronomical Society, DPS meeting #47, #106.11, 2015
49. Colas F., Zanda B., Vaubaillon J., Bouley S., Marmo C., Audureau Y., Kwon M. K., Rault J.-L., Caminade S., **Birlan M.** et al: *French fireball network FRIPON* International Meteor Conference, Mistelbach, Austria, 27-30 August 2015
50. Georgescu T., Georgescu A., Pincu F., **Birlan M.**, Savastru D., Banica C., Dragasanu C.: *ROAN: A calibration unit for a meteor camera* International Meteor Conference, Mistelbach, Austria, 27-30 August 2015
51. B.A. Dumitru, **M. Birlan**, M. Dima - *Determination of near earth objects associated with meteor streams based on their dynamic elements*, Bucharest University Faculty of Physics 2015 Meeting, Bucharest-Magurele, Romania, June 19, 2015;
52. **M. Birlan**, B. Dumitru, A. Nedelcu, A. Sonka, M. Popescu - *Observing Near-Earth Object: Results and Perspectives* Cluj Academic Days, Cluj-Romania, Mai 21-22, 2015.
53. **Birlan M.**, Dumitru B., Nedelcu A., Sonka A., Popescu M. - *Strategies for secure and recovery near-earth objects*, Planetary Defense Conference 2015 Frascatti, Italy, 13-17 april 2015
54. Marsset M., Vernazza P., Gorgeot F., Dumas C., **Birlan M.**, Lamy P., Binzel R. P. - *Low and High Albedo Jovian Trojans and Hildas: A Similar or Different Origin?* 46th Lunar and Planetary Science Conference, in The Woodlands, Texas. LPI Contribution No. 1832, p.1860, March 16-20, 2015
55. O. Erece, Z. Eker, M. Kaplan, G. Aslan, **M. Birlan**: - *Turkish Facilities to meet Gaia Solar System TOO Observations*, Gaia-FUN-SSO-3, Paris Observatory, 24-26 November 2014, France
56. Z. Eker, **M. Birlan**, M. Kaplan, O. Erece, G. Aslan, M. Popescu, A. Nedelcu: - *Astrometry and Photometry of Karin Asteroid Family Members*, Gaia-FUN-SSO-3, Paris Observatory, 24-26 November 2014, France
57. T. Georgescu, **M. Birlan**, C. Leseanu, O. Ghita, C. Banica - *Evolution - ROAN 2014*, International Meteor Conference, Giron 18-21 September 2014, France

58. F. Colas, B. Zanda, S. Bouley, J. Vaubaillon, P. Vernazza, J. Gattacceca, C. Marmo, Y. Audureau, M.-K. Kwon, L. Maquet, J.-L. Raul, **M. Birlan**, A. Egal, M. Rotaru, C. Birnbaum, F. Cochard, O. Thizy - *The FRIPON and Vigiel-Ciel networks*, International Meteor Conference, Giron 18-21 September 2014, France
59. Y. Audureau, C. Marmo, S. Bouley, M.-K. Kwon, F. Colas, J. Vaubaillon, **M. Birlan**, B. Zanda, P. Vernazza, S. Caminade, J. Gattacceca - *FreeTure, A Free software to capTure meteors for FRIPON*, International Meteor Conference, Giron 18-21 September 2014, France
60. M.-K. Kwon, F. Colas, J. Vaubaillon, **M. Birlan**, B. Zanda, C. Marmo, S. Bouley, Y. Audureau, P. Vernazza, J. Gattacceca - *Astrometry with fish eye lens and orbit determination*, International Meteor Conference, Giron 18-21 September 2014, France
61. N. Rambaux, D. Galayko, J.-F. Mariscal, M.-A. Breton, J. Vaubaillon, **M. Birlan**, F. Colas, T. Fouchet - *Detection of spectral UV of meteor from a nanosatellite*, International Meteor Conference, Giron 18-21 September 2014, France
62. Binzel, R.P., DeMeo, F.E., Burt, B.J., Polishook, D., Burbine, T.H., Bus, S.J., Tokunaga, A., **Birlan, M.**:- *Meteorite Source Regions as Revealed by the Near-Earth Object Population*, DPS 2014, Tucson-AZ, BAAS #46, #213.06
63. Vaduvescu O., Hudin L., **Birlan M.**, Popescu M., Tudorica A., Toma R. - *Around 1500 near-Earth-asteroid orbits improved via EURONEAR*, Asteroids, Comets, Meteors 2014, Helsinki, June 30-July 4, 2014
64. **Birlan M.**, Popescu M., Nedelcu D.A. - *Taurid Complex reflectance spectroscopy*, Asteroids, Comets, Meteors 2014, Helsinki, June 30-July 4, 2014
65. Binzel, R.P., DeMeo F., Burt B., Polishook D., Burbine T., Bus S.J., Tokunaga A., **Birlan M.**- *Meteorite source regions as revealed by the near-Earth object population*, Asteroids, Comets, Meteors 2014, Helsinki, June 30-July 4, 2014
66. Marcq, E. Encrenaz, T., Lellouch, E., Bertaux, J.-L., Widemann, T., **Birlan, M.** - *Measurements of carbon monoxide above Venus' cloud top from IRTF/CSHELL observations* EGU General Assembly 2014, in Vienna, Austria, id.6599, held 27 April - 2 May, 2014
67. Feller C.X.L., **Birlan M.**, Popescu M. - *Investigating S-Complex Type Asteroids with Lunar Samples and Meteorites Measurements*, Workshop on Planetary Formation and Differentiation, Proceedings of the conference held in Washington, DC. LPI Contribution No. 1768, p.8002, 27-29 October, 2013
68. Popescu M., Nedelcu A., **Birlan M.** – *Data reduction and interpretation of asteroids spectra* – Cosmical phenomena that affect Earth and their effects, Bucharest, 18 Oct 2013.
69. Oszkiewicz D., Kwiatkowski T., Tomov T., Pentilla A., **Birlan M.** – *Search for differentiated asteroid families* - Polish Astronomical Society meeting, 11-14 September 2013, Warsaw, Poland.
70. Vernazza P., Zanda B., Binzel R., Hiroi T., DeMeo F., **Birlan M.** et al - *Constraints on planetesimal formation from asteroid compositions*, American Astronomical Society, DPS meeting #45, #201.04, Reno, USA Oct 13-19, 013.
71. **Birlan M.**, Popescu M., Nedelcu D.A. – *Dynamical evolution and physical properties of six NEAs* – 2013 IAAA Planetary Defense Conference, Flagstaff-AZ, USA 15-19 April, 2013
72. **Birlan M.**, Popescu M., Nedelcu D.A. – *New spectral observations of five low DeltaV NEAs* – Astrobiological and cosmochemical implications of MarcoPolo-R sampling of a primitive asteroid, Barcelona 16-17 January 2013
73. **Birlan M.**, Popescu M., Vernazza P., Nedelcu D.A., Groussin O - *Spectroscopy of Asteroid Pairs*, ACM2012, 14-19 May 2012, Niigata, Japan.
74. Vaduvescu O., Popescu M., Tudorica A., Conovici M., **Birlan M.**, Badescu T., et al. - *Data Mining the Suprimecam Archive for Near Earth Asteroids*, ACM2012, 14-19 May 2012, Niigata, Japan
75. Colas F., Zanda B., Vernazza P., Vaubaillon J., Bouley S., Gattacceca J., Baratoux D., **Birlan M.**, Courmede C., Fieni C. et al - *(FRIPON) Fireball Recovery and Interplanetary Matter Observation Network*, ACM2012, 14-19 May 2012, Niigata, Japan
76. Binzel R.P., DeMeo F.E., Lockhart M., Spivakovsky-Gonzalez P., Polishook D. Tokunaga A., Thomas C.A., Rivkin A.S., Bus S.J., **Birlan M.**, Vernazza P. - *Compositional Distribution of the Near-Earth Object Population*, ACM2012, 14-19 May 2012, Niigata, Japan
77. P. Vernazza, R.P. Binzel, F.E. DeMeo, and **M. Birlan** - *Formation location of S-type asteroids and OCs*, EPSC-DPS Meeting, Nantes 02-07 Oct 2011, FRANCE
78. **M. Birlan** and M. Popescu- *Modeling asteroid spectra: few examples*, EPSC-DPS Meeting, Nantes 02-07 Oct 2011, FRANCE
79. **M. Birlan** - *High Precision Astrometry and orbit improvements of possible targets of MarcoPolo-R*, MarcoPolo-R meeting, ESA-ESRIN –Frascati, Italy, 9-10 June 2011
80. **M. Birlan**, R. Binzel, M. Popescu, P. Vernazza, D.A. Nedelcu - *Spectral Properties of Near-Earth Asteroids*, 2011 IAAA Planetary Defense Conference, Bucharest-Romania 9-12 May, 2011.
81. M. Popescu, **M. Birlan** - *Modeling NEA spectra, a key to understand their physical properties*, 2011 IAAA Planetary Defense Conference, Bucharest-Romania 9-12 May, 2011.
82. O. Vaduvescu, **M. Birlan**, A. Tudorica, M. Popescu, A. Nedelcu, S. Sonka, J. Licandro - *The European Near Earth Asteroid Research (EURONEAR) - Status and Projects*, 2011 IAAA Planetary Defense Conference, Bucharest-Romania 9-12 May, 2011.
83. E. Turcu, M. Popescu, **M. Birlan** - *NEAs astrometry for secure orbits in Observatoire de Haute Provence : November 2010*, 2011 IAAA Planetary Defense Conference, Bucharest-Romania 9-12 May, 2011.
84. R. P. Binzel, F. E. DeMeo, M. Lockhart, A. Tokunaga, C. A. Thomas, A. S. Rivkin, S. J. Bus, **M. Birlan**, P. Vernazza, T. H. Burbine – *Spectral Reconnaissance for 200 Near-Earth Mission Targets*, 42nd LPSC, abstract 2226, 7-11 March 2011.
85. D. A. Nedelcu, **M. Birlan**, O. Badescu, P. Popescu, P. Paraschiv: *Asteroids differential astrometry in quasars fields. Events database and data reduction* - Modern Topics in Astronomy, 19 Nov 2010, Bucharest, Romania
86. **Mirel Birlan** – *V-type asteroids in the Main Belt* – Journées Scientifiques de l'IMCCE, 22-24 nov, 2010 Paris.
87. F. DeMeo, B. Carry, F. Marchis, **M. Birlan**, R. P. Binzel, S. J. Bus, P. Descamps, A. Nedelcu, H. Bouy, - *(379) Huenna's Satellite: A Chip Off The Block*, DPS 2010, Pasadena, BAAS #42, #39.19
88. **M. Birlan**, A. Nedelcu, P. Vernazza, R. Binzel, B. Carry, F. DeMeo, A. Barucci, M. Fulchignoni, - *21 Lutetia: Groundbased Near-infrared Spectroscopy Prior The Rosetta Flyby*, DPS 2010, Pasadena, BAAS #42, #46.04

89. **M. Birlan**, A. Kryszczyńska, F. Colas – *Multi-opposition spectroscopy of binary asteroid 809 Lundia*, Binaries in the Solar System II, Poznan, Poland, 13-15 July 2010
90. Binzel R.P. Morbidelli A. Merouane S. DeMeo F.E. **Birlan M.** Vernazza P. Thomas C.A. Rivkin A.S. Bus S.J. Tokunaga A.T. - *Good Vibrations: Recent Near-Earth Encounters as the Missing Piece of the S-Asteroid and Ordinary Chondrite Meteorite Puzzle*, 41st Lunar and Planetary Science Conference, March 1-5, 2010, No. 1533, p.1226
91. Barache Ch., Bouquillon S., Pavlin O., Taris F. Andrei A., Boer M., Laas M., Souchay J., Mignard F. **Birlan M.** - *GBOT tests at Observatoire de Haute Provence: Observations and software progress*, GBOG, November 17 & 18, 2009 - NICE, France
92. **M. Birlan**, R.P. Binzel, D.A. Nedelcu, P. Vernazza, M.A. Barucci, S. Gasc, M. Fulchignoni, E. Dotto, - *Physical Characterization of Asteroids Candidates of Marco Polo Mission*, DPS 2009, Porto Rico, BAAS #41, #35.08
93. R.P. Binzel, S. Merouane, F. DeMeo, **M. Birlan**, P. Vernazza, A. Morbidelli, C. Thomas, A. Rivkin, S.J. Bus, A. Tokunaga, - *Planetary Encounters as the Cause of Fresh Asteroid Surfaces*, DPS 2009, Porto Rico, BAAS #41, #53.01
94. C.A. Thomas, F.E. DeMeo, R.P. Binzel, S.J. Bus, A. Rivkin, A. Tokunaga, **M. Birlan**, P. Vernazza, - *Spectral Gallery of Low Delta-V Mission Targets*, International Symposium Marco Polo and other Small Body Sample Return Missions, Paris, France, 18-20 Mai 2009
95. **M. Birlan**, O. Vaduvescu, EURONEAR team – *Discovery, recovery, and precovery of NEAs as network activities*, 1st IAA Planetary Defense Conference, Granada, Spain, 26-30 April 2009
96. Tudorica .Toma R., Sonka A.B., Nedelcu A.D., **Birlan M.**, Vaduvescu O., EURONEAR team – *EURONER- The first 100 NEA's Observed*, DPS 2008, Cornell, NY, BAAS #40, #27.09
97. **M. Birlan**, D.A. Nedelcu, P. Descamps, J. Berthier, F. Marchis, S. Merouane - *Spectral investigation of binary asteroids*, DPS 2008 Cornell, NY, BAAS #40, #28.20
98. **M. Birlan**, D.A. Nedelcu, P. Vernazza, M.A. Barucci, R.P. Binzel, M. Fulchignoni – *Spectral properties of 2867 Steins and 21 Lutetia, the Rosetta mission targets* Asteroids Comets Meteors, Baltimore 13-18 July 2008
99. P. Vernazza, R.P. Binzel, A. Rossi, **M. Birlan**, S. Fornasier, M. Fulchignoni, S. Renner – *Physical Characterization of Very Young Asteroid Families* Asteroids Comets Meteors, , Baltimore 13-18 July 2008
100. R.P. Binzel, C.A. Thomas, A. Tokunaga, S.J. Bus, F.E. DeMeo, A.S. Rivkin, T.H. Burbine, P. Vernazza, **M. Birlan**, S.P. Storm, A. Springmann, M. Masterman – *Spectral properties of Near-Earth object mission target* Asteroids Comets Meteors, Baltimore 13-18 July 2008
101. J.-E. Arlot, V. Lainey, F. Colas, W. Thuillot, F. Vachier, **M. Birlan** - *Le système d'Uranus: astrométrie et observations de phénomènes*, Journées Scientifiques de l'IMCCE, 5-7 juin 2008
102. A. Nedelcu, J. Souchay, **M. Birlan**, P. Popescu, P. Parasciv- *Asteroids astrometry as a link between ICRF and the Dynamical Reference Frames* IAU Symposium No.248 A Giant Step:from Milli- to Micro-arcsecond Astrometry Shanghai, China October 15-19, 2007
103. **M. Birlan**, P. Vernazza, A. Nedelcu - *NIR Spectroscopy of Nine M-type Asteroids*, DPS 2007, Orlando, FL, BAAS 39, #33.04
104. Binzel R.P., Rivkin A. S., Thomas C. A., Vernazza P., Burbine T.H., DeMeo F.E., Bus S.J., Tokunaga A.T., **Birlan, M.** - *Spectral Properties and Composition of Potentially Hazardous Asteroid (99942) Apophis*, DPS 2007, Orlando, FL, BAAS 39, #13.04
105. Sonka B. A., Vaduvescu O., **Birlan M.**, Nedelcu A., Colas F. - *New Astrometry for NEOs in the Frame of EuroNEAR*, DPS 2007, Orlando, FL, BAAS 39, #51.07
106. Vaduvescu, O., **Birlan, M.**, & Grigore, V., 2007 - *EURONEAR - The European Near Earth Asteroid Research*, IMC 2007, Barege, France
107. **M. Birlan** - *Mineralogy of 21 Lutetia, target of ROSETTA mission* - Observing Planetary Systems Conference, Santiago de Chile, 5-8 March 2007.
108. A. Kryszczyńska, F. Colas, M. Polinska, T. Kwiatkowski, **M. Birlan**, P. Bartczak, P. Descamps, 2007 - *809 Lundia ; new V-type synchronous binary asteroid in the Flora family*, First Workshop on Binaries in the Solar System 2007 August 20-23 Steamboat Springs, Colorado USA
109. A. Kryszczyńska, F. Colas, M. Polinska, T. Kwiatkowski, **M. Birlan**, P. Bartczak, P. Descamps, 2007 - *809 Lundia ; new V-type synchronous binary asteroid in the Flora family* XXXIII Zjazd Polskiego Towarzystwa Astronomicznego, Kielce, 17-21 IX 2007
110. P. Descamps, F. Marchis, J. Berthier, **M. Birlan**, F. Colas, F. Vachier – *2007 Mutual Events Within The Binary System of (22) Kalliope* - MEOTUS Workshop, Paris, 15-17 november 2006
111. F. Colas, **M. Birlan**, O. Vaduvescu, A. Nedelcu, A. Sonka - *EURONEAR - Oserving at Pic du Midi* – MEOTUS Workshop, Paris, 15-17 november 2006
112. **M. Birlan**, F. Colas, A. Nedelcu, P. Vernazza, A. Kryszczyńska - *Spectroscopy of binary asteroid 809 Lundia*, DPS Meeting, Pasadena, 8-12 october 2006
113. F. Colas, **M. Birlan**, O. Vaduvescu, A. Nedelcu, A. Sonka - *EURONEAR - First Results at Pic du Midi* - DPS Meeting, Pasadena, 8-12 october 2006
114. A. Nedelcu, **M. Birlan**, P. Vernazza, A. Barucci, M. Fulchignoni, R. Binzel – *Ground based science of 21 Lutetia* – DPS Meeting, Pasadena, 8-12 october 2006
115. **M. Birlan**, William Thuillot – *Remote observations technique; the CODAM achievements*, Nikolaiev Colloquium, Ukraine, 25-29 september 2006.
116. R. Brunetto, P. Vernazza, S. Marchi, **M. Birlan**, M. Fulchignoni, V. Orfino, G. Strazzula – *A spectral model for irradiated silicates: application to asteroid 832 Karin*, European Planetary Science Congress, Berlin, September 18-22, 2006.
117. P. Vernazza, **M. Birlan**, M. Fulchignoni - *Caractérisation physique de la famille de Karin* Programme National de Planetologie, Nancy, 12-13 september 2006

118. W. Thuillot, J. Berthier, A. Sarkissian, A. Mickaelian, L. Sargsyan, J. Iglesias, F. Vachier, V. Lainey, **M. Birlan**, G. Simon - *Caractérisation physique et dynamique d'astéroïdes grâce à l'observatoire virtuel* – Programme National de Planetologie, Nancy, 12-13 septembre 2006
119. O. Vaduvescu, F. Colas, **M. Birlan**, A. Nedelcu, B. Szonka - *EURONEAR – An European Near Earth Asteroids Research Project*, IAU- GA, Symposium 236, Prague August 14-25 2006.
120. W. Thuillot, J. Berthier, A. Sarkissian, A. Mickaelian, L. Sargsyan, J. Iglesias, F. Vachier, **M. Birlan**, G. Simon – *Massive physical and dynamical characterization of asteroids*, IAU- GA, SPS3, Prague August 14-25 2006.
121. **M. Birlan** - *Traceurs des collisions dans la ceinture principale*, Journées Scientifiques de l'IMCCE, 5-7 juin 2006.
122. O. Vaduvescu, F. Colas, **M. Birlan**, A. Nedelcu, A. Sonka - *Near Earth Asteroids Observations at Pic du Midi*, Journées Scientifiques de l'IMCCE, 5-7 juin 2006.
123. J.-L. Simon, A. Fienga, **M. Birlan**, J. Normand, W. Thuillot – *La nouvelle Connaissance des Temps*, Journées Scientifiques de l'IMCCE, 5-7 juin 2006
124. Descamps P., Marchis F., Michalowski T., Vachier F., Colas F., Berthier J., Assafin M., Dunckel P.B., Polinska M., Pych W., Hestroffer D., Miller K., Vieira-Martins R., **Birlan M.**, Teng-Chuen-Yu J., Peyrot A., Payet B., Dorseuil J., Leonie Y., Dijoux T. – *Le système double d'Antiope*, Journées Scientifiques de l'IMCCE, 5-7 juin 2006
125. **M. Birlan**, A. Nedelcu - *Collisions history in the main-belt by spectroscopic methods* ESLAB-40,; First International Conference on Impact Cratering in the Solar System, ESTEC Noordwijk, 8-12 Mai 2006
126. E. Marcq, T. Encrenaz, B. Bézard, **M. Birlan** – *On the vertical profiles of CO, OCS and water vapour in the lower atmosphere of Venus using near IR spectro-imagery* - EGS v. 8, n. 04598, Vienna, 02-07 April 2006
127. E. Marcq, T. Encrenaz, B. Bézard, **M. Birlan** - *Near-IR Study of the Lower Atmosphere of Venus: Latitudinal Variations of CO, H2O and OCS Vertical Profiles*. Chapman Conference Exploring Venus as a Terrestrial Planet Key Largo, Florida, USA 13-16 February 2006
128. **M. Birlan**, P. Vernazza, M.A. Barucci, M. Fulchignoni - *21 Lutetia spectral modeling of near-IR region* - DPS Annual Meeting, Cambridge-UK, 5-9 September 2005
129. P. Vernazza, M. Fulchignoni, **M. Birlan**, E. Dotto, A. Rossi, S. Fornasier, F. Marzari, D. Nesvorny - *Spectroscopic characterization of the Karin family* - DPS Annual Meeting, Cambridge-UK, 5-9 September 2005
130. D. Pascu, J.E. Arlot, V. Lainey, **M. Birlan**, V. Robert - *New observations of the Natural Planetary satellites through the Natural Satellites USNO Plates Archive* - DPS Annual Meeting, Cambridge-UK, 5-9 September 2005
131. M. Fulchignoni, M.A. Barucci, I.N. Belskaya, **M. Birlan** - *TNOs' taxonomy* – DPS Annual Meeting, Cambridge-UK, 5-9 September 2005
132. W. Thuillot, J. Berthier, F. Vachier, V. Lainey, J-E. Arlot, J. Vaubaillon, F. Colas, D. Hestroffer, S. Mouret, P. Descamps, **M. Birlan**, P. Rocher - *Caractérisation orbitale et physique des astéroïdes* - Ecole Thématique "L'Observatoire Virtuel: un outil de travail pour les scientifiques", 2005
133. E. Marcq, T. Encrenaz, B. Bézard, **M. Birlan** - *A Preliminary Work to Venus Express : Near IR Spectro-Imagery of the Lower Atmosphere* - DPS Annual Meeting, Cambridge-UK, 5-9 September 2005
134. **M. Birlan**, P. Vernazza, A. Barucci, M. Fulchignoni – *Near-IR spectra of 21 Lutetia, target of Rosetta mission*, Asteroids, Comets, Meteors 2005, Buzios – Bresil, 7-12 August, 2005
135. M. Fulchignoni, **M. Birlan**, E. Dotto, S. Fornasier, F. Marzari, D. Nesvorny, A. Rossi, P. Vernazza – *Spectroscopic characterization of the Karin family*, Asteroids, Comets, Meteors 2005, Buzios – Bresil, 7-12 August, 2005
136. P. Vernazza, M. Fulchignoni, **M. Birlan** – *Spectroscopic study of NEOs*, Asteroids, Comets, Meteors 2005, Buzios – Bresil, 7-12 August, 2005
137. P. Vernazza, T. Mothé-Diniz, M.A. Barucci, **M. Birlan**, J.M. Carvano, G. Strazzulla, M. Fulchignoni, A. Migliorini – *Analysis of near-IR spectra of 1 Ceres and 4 Vesta, targets of the Dawn Mission*, Asteroids, Comets, Meteors 2005, Buzios – Bresil, 7-12 August, 2005
138. P. Descamps, F. Marchis, T. Michalowski, J. Berthier, D. Hestroffer, F. Vachier, F. Colas, **M. Birlan**, R. Vieira Martins – *Insights on 90 Antiope double asteroid combining VLT-AO and Lightcurve Observations*, Asteroids, Comets, Meteors 2005, Buzios – Bresil, 7-12 August, 2005
139. **M. Birlan**, Gh. Vass, C. Teleanu – *Bringing forth the spirit of astronomy by using conceptual maps*, Communicating astronomy with the public 2005, Garching, 13-17 June 2005
140. **M. Birlan**, P. Vernazza, M. Fulchignoni, A. Rossi, E. Dotto, D. Nesvorny - *Near-IR spectroscopy of asteroids 832 Karin, 13807 1998 XE13, and 13765 Nansmith, members of Karin family* - DPS Annual Meeting P32.10, Louisville, KY, 8-12 November 2004
141. Gh Vass, **M. Birlan** - *Using conceptual maps in astronomy education* - DPS Annual Meeting P13.05, Louisville, KY, 8-12 November 2004
142. M. Fulchignoni, M.A. Barucci, S. Fornasier, E. Dotto, P. Vernazza, **M. Birlan**, J. Carvano, F. Merlin, I. Belskaya - *2867 Steins and 21 Lutetia: the Rosetta mission asteroid targets* - DPS Annual Meeting 28.03, Louisville, KY, 8-12 November 2004
143. E. Marcq, T. Encrenaz, B. Bézard, **M. Birlan** - *A Study of Lower Atmosphere Dynamics And Search For Active Volcanism On Venus : Preliminary Work To Venus Express Mission* - DPS Annual Meeting P39.03, Louisville, KY, 8-12 November 2004
144. W. Thuillot, J-E. Arlot, M. Stavinschi, **M. Birlan**, V. Lainey - *Ground-based astrometry at the time of the GAIA mission* Astrometry with Small Telescopes, Bucharest 20-22 October 2004.
145. F. Colas, J. Vaubaillon, **M. Birlan** - *Project of a 2 meter class telescope at Pic du Midi observatory* - Risks connected to a NEO impact, Chateau de Meudon, 13-14 september 2004
146. Gh Vass, **M. Birlan** – *Educational efficiency of observing astronomical phenomena: The case of planet Venus* ESOP 2004 Workshop Paris 27-29 August 2004.
147. Gh Vass, **M. Birlan** – *Apparently non-periodic astronomical phenomena: A systematic educational approach* ESOP 2004 Workshop Paris 27-29 August 2004.

148. P. Vernazza, M. Fulchignoni, **M. Birlan** - *Spectroscopic investigation of Near-Earth Objects* COSPAR Meeting, Paris, 18-25 July 2004.
149. **M. Birlan**, P. Vernazza, M.A. Barucci, M. Fulchignoni – *Spectroscopy of asteroids in remote observing mode with IRTF* COSPAR, Paris, 18-25 July 2004.
150. **M. Birlan**, M.A. Barucci, W. Thuillot – *Solar system observations by remote observing technique : useful experience for robotic telescope strategies*. Third Thinkshop concerning Robotic Telescopes, Potsdam, 12-15 July 2004
151. A. Merand, **M. Birlan**, V. Coudé du Foresto, R. Lelu de Brach - *Remote observations with FLUOR and the CHARA Array*, SPIE, Glasgow, 21-15 June 2004.
152. E. Marcq; T. Encrenaz; B. Bézard, **M. Birlan** - *Spectro-Imaging of Venus night side in preparation of the Venus Express mission : study of global dynamics and search for active volcanism*. EGU 1st General Assembly, Nice, 25-30 April 2004.
153. **M. Birlan** - *Le Centre d'Observation à Distance en Astronomie à Meudon(CODAM); Observations et résultats scientifiques obtenus avec l'IRTF*, Forum Bases, Traitements de Données et Observatoires Virtuels, Paris, 27-28 Novembre, 2003.
154. **M. Birlan**, Vernazza, P., Barucci M.A., Fulchignoni M., Binzel R.P., Bus S.J., Fornasier S. – *Near-IR spectroscopy of new asteroid targets for the Rosetta mission* - American Astronomical Society, DPS meeting, Monterey-California, 2-6 September 2003.
155. M. Fulchignoni, A. Delsanti, M.A. Barucci, **M. Birlan** - *Toward a taxonomy of the Edgeworth-Kuiper Belt Objects: the multivariate approach* - SF2A-2003: Semaine de l'Astrophysique Française, meeting held in Bordeaux, France, June 16-20, 2003.
156. M. Fulchignoni, A. Delsanti, M.A. Barucci, **M. Birlan** - *Multivariate analyses of TNOs spectrophotometric data* - First Decadal Review of the Edgeworth-Kuiper Belt: Towards New Frontiers, Antofagasta, Chile, March 11-14, 2003.
157. Th Encrenaz, B. Bezar, **M. Birlan**, C. de Bergh – *Observations of the Venus dark-side in the near-IR: A search for active volcanism and a study of dynamics* – Planetary Fourier Spectrometer General Meeting, Mars Express & Venus Express, Lecce, Italy, March 3-6, 2003.
158. **M. Birlan**, R. Binzel, S.J. Bus, A. Rivkin, A. Harris, A. Barucci, M. Fulchignoni - *From Mauna Kea to Meudon: IRTF Remote Observing Science Results for Potential Spacecraft Targets 4979 Otawara and 4660 Nereus*- American Astronomical Society, DPS meeting, Birmingham, Alabama, 2002.
159. S. Fornasier, Barucci M.A., Binzel R.P., **Birlan M.**, Fulchignoni M., Barbieri C., Bus S.J, Harris A.W., Rivkin A.S., Lazzarin M., Dotto E., Erikson A., Michalowsky T., Doressoundiram A., Bertini I., Peixinho N. - *Spectrophotometric observations of 4979 Otawara, target of the Rosetta space mission* - American Astronomical Society, DPS meeting, Birmingham, Alabama, 2002.
160. S. J. Bus, A. J. Denault, J. T. Rayner, R. P. Binzel, **M. Birlan** - *Remote observing at the NASA Infrared Telescope Facility (IRTF) - SPIE Conference, Advanced Global Communications Technologies for Astronomy II*, Hawaii, August, 2002.
161. **M. Birlan**, Richard Binzel – *Remote observation between IRTF-Hawaii and Observatoire de Meudon*, Global Hands-On Universe Conference, Paris, 2002.
162. S. Fornasier, M.A. Barucci, R.P. Binzel, M. Fulchignoni, **M. Birlan**, C. Barbieri, M. Lazzarin, A. Doressoundiram, E. Dotto, N. Peixinho - *A portrait of 4979 Otawara, target of the Rosetta space mission* Asteroids Comets Meteors, Berlin, 2002.
163. M. Fulchignoni, **M. Birlan**, M.A. Barucci - *TNO/Centaurs grouping tested with asteroid data sets* - American Astronomical Society, DPS meeting, New Orleans, 2001.
164. **M. Birlan**, J. Souchay, M. Birlan - *Science and Religion : the Faith* – Science & Religion, Romanian Academy Meeting, Bucharest 2001.
165. **M. Birlan** - *Asteroids density: an overview* - "Ceres 2001" Workshop IMCCE, Paris, 2001.
166. M. Fulchignoni, M.A. Barucci, A. Doressoundiram, J. Romon, **M. Birlan** - *Toward a Centaur/TNO taxonomy* - American Astronomical Society, DPS meeting, Pasadena, 2000.
167. **M. Birlan**, Gh. Bocsa - *Intermediate stars in extragalactic radio source fields; astrometric measurements* - IAU Colloquium 180, Washington, D. C., March, 2000.
168. Gh. Bocsa, **M. Birlan** - *Accuracy of Positions Determined within the Framework of CONFOR Programme* Scientific session of the Romanian Academy., Bucharest, 20-22 April 2000.
169. A. Doressoundiram, P. Weissman, M. Fulchignoni, M.A. Barucci, A. Le Bras, F. Colas, J. Lecacheux, **M. Birlan**, M. Lazzarin, S. Fornasier, E. Dotto, C. Barbieri, M. Sykes, S. Larson, C. Hergenrother - *4979 Otawara : the first asteroid target of the Rosetta mission* – Asteroids Comets Meteorers, Ithaca 1999.
170. **M. Birlan** - *Asteroid photometric catalogues: a starting point to an asteroid taxonomy* – First romanian-russian meeting on astronomy, Sankt Ptersburg, 1998.
171. **M. Birlan** - *CCD photometry; results of the ESO asteroid campaign* - Scientific session of the Romanian Academy, Bucharest, 1997.
172. **M. Birlan**, M. Fulchignoni, M.A. Barucci - *The extension of the G-mode asteroid taxonomy* - Asteroids Comets Meteors , Versailles, 1996.
173. A. Doressoundiram, M.A. Barucci, M. Fulchignoni, **M. Birlan** - *Visible spectroscopy of EOS family* - Asteroids Comets Meteors, Versailles, 1996.
174. M. Roos-Serote, A. Barucci, J. Crovisier, P. Drossart, M. Fulchignoni, J. Lecacheux, and F. Roques, **M. Birlan** - *Atomic line emissions in the impacts of comet SL9 into Jupiter* - SL9 Colloquium, Baltimore, USA, 1995.
175. **M. Birlan**, M. Fulchignoni, M.A. Barucci - *Influence of the revised IRAS albedos on the G-mode asteroid taxonomy* - D.P.S. meeting Mauna Lani, October 1995.
176. **M. Birlan**, M.A. Barucci, J. Crovisier, P. Drossart, M. Fulchignoni, J. Lecacheux, M. Roos-Serote, F. Roques - *Atomic line emissions in the plume and splashback of Shoemaker-Levy 9 impact L on Jupiter* - D.P.S. meeting Mauna Lani, October 1995.
177. **M. Birlan**, M.A. Barucci, M. Fulchignoni - *G-mode analysis of the reflection spectra for 85 asteroids* - European Geophysical Society-General Assembly, Grenoble, 1994.

178. O. Vaduvescu, **M. Birlan** - *Software package for preparing and processing of an astronomical observation - CELESTIAL MAPS version 4.5* - Second international school in astronomy and astrophysics, Rozen, Bulgaria, 1994.
179. **M. Birlan**, M. Fulchignoni, M.A. Barucci - *Extension of the G-mode method* - Symposium of the small bodies of the Solar System and their interrelation, Uppsala, Sweden, 1994.
180. **M. Birlan**, M.A. Barucci, M. Fulchignoni - *An extension of the Barucci's asteroid taxonomy* - Department of Planetary Science session, Minneapolis, 1994.
181. **M. Birlan** - *Mineralogy of S-type asteroids* - Scientific session of the Romanian Academy, Bucharest, 1994.
182. **M. Birlan** - *Lightcurves statistics a classification of asteroids* - European Geophysical Society-General Assembly, 1993.
183. **M. Birlan**, Gh. Bocsa - *Astrometrical measurements of minor planets in 1991-1992* - Asteroids, Comets, Meteors, 160-th I.A.U. Symposium, Belgirate, Italy, 1993.
184. **M. Birlan** - *Statistical study for Trojan asteroid groups* - Scientific session of the Romanian Academy, Iasi, 1993.
185. **M. Birlan** - *On the physical and dynamics properties of asteroids* - 30-th Astronomical Colloquium, Liege, Belgium, 1992.
186. O. Vaduvescu, **M. Birlan** - *Celestial maps in Turbo Pascal 6.0* - Scientific session of the Romanian Academy - Cluj, 1992.
187. **M. Birlan**, O. Vaduvescu - *Computer image reconstruction* - Scientific session of the Romanian Academy - Bucharest, 1992.

Public lectures and seminars

1. 22 janvier 2020 *Highlighted science in the frame of HARISSA science*
Séminaire à l'Institut de Astrofísica de Canarias, Tenerife, Espagne
2. 7 janvier 2020 *La nouvelle marche vers la Lune*
Conférence grand public dans la salle Jacques Brel à Montigny-le-Bretonneux
3. 14 octobre 2019 *Introducere in lumea asteroizilor*
présentation de livre et dialog avec le publique, à Giurgiu, en Roumanie
4. 27 juillet 2019 *Misiuni spatiale de cercetare a asteroizilor*
Conférence grand public au Grand Planetarium de Slanic Prahova, en Roumaine
5. 25 mai 2019 *Asteroizii si viata pe Terra*
Conférence grand public au Complexe museal de la ville de Barlad, en Roumaine
6. 24 mai 2019 *Enigmele asteroizilor*
Conférence grand public au Complexe museal Galati en Roumaine
7. 6 mars 2019 *Les distances dans l'Univers*
Conférence grand public au club Circuit à Paris;
8. 7 mars 2018 *La recherche de la vie dans l'Univers*
Conférence grand public au club Circuit à Paris;
9. 20 septembre 2017 *New spectrograph for Near Earth Asteroids in Pic du Midi Observatory: technical requirements and design*
Séminaire à l'Institut Astronomique de l'Académie Roumaine
10. 20 septembre 2017 *SOVAG - nouveau spectrographe pour l'Observatoire du Pic du Midi*,
Conférences à l'Astroclub Vasile Urseanu, Bucarest en Roumanie;
11. 13 et 15 mars 2017 *Les objectifs scientifiques des missions spatiales vers les astéroïdes*
Conférences à l'Astroclub Vasile Urseanu, Bucarest en Roumanie;
12. 4 mai 2016: *Les prouesses de la conquête spatiale en 2015* Conference for club Circuit in Paris;
13. 21 mars 2016: *Physics of PHAs 2007 PA8 and 2004 BL86 using groundbased observations*
Séminaire Temps-Espace à l'Observatoire de Paris
14. 29 janvier 2016: *M4AST : On-line tool for spectral modeling of asteroids* Séminaire à l'Observatoire de Strasbourg,
15. 28 octobre 2015 - *Meteor: un projet éducationnel de nanosat* Conférence grand public à l'Astroclub Vasile Urseanu, Bucarest, Roumanie
16. 11 octobre 2014- *Astéroïdes et géocroiseurs : source des météorites – Observations des météores* Conference l'Uranoscope, Gretz-Armainvilliers, France
17. 2 octobre 2014 - *Objets du système solaire à l'origine des courants des météores –* Conference « Urania », Bucharest-Romania
18. 1 octobre 2014 - *Asteroids as sources of meteor showers* - Seminar Astronomical Institute Romanian Academy, Bucharest-Romania
19. 21 December 2013 – *FRIPON project – monitor the meteors over France*, Seminar in Meudon Observatory, France
20. 19 March 2013 - *Physical ephemerides and spectroscopy of asteroids* Seminar in Akdeniz University, Turkey

21. 18 September 2012 - *Near-Earth Asteroids : space alteration into spectral data* Seminar Institute for Space Science, Bucharest-Magurele, Romania.
22. 23 September 2011 - *Near-Earth Asteroids Population :classification, spectra and space weathering mechanisms*, Seminar into the Institute of Geodynamics of the Romanian Academy, Bucharest, Romania
23. 19 September 2011 - *Near-Earth Asteroids Population : spectral alteration by space weathering mechanisms* – Seminar in Astronomical Observatory of Cluj-Napoca, Babes-Bolyai University, Romania
24. 11 mars 2011 - *21 Lutetia: groundbased near-infrared spectroscopy* Seminar, Laboratoire d'Astrophysique de Marseille, France
25. *Space weathering mechanisms insight Near-Earth Objects*, in Isaac Newton Groupe of Telescopes, La Palma, Spain (24 mai 2010)
26. *Les asteroids*, in CSNSM, Université d'Orsay, France (1 avril 2010)
27. *Les géocroiseurs : c'est frais mais c'est pas grave*, Université de Nantes, France (5 mars 2010)
28. *Techniques d'observations des corps dans atmosphère du système solaire*, in University « Stefan cel Mare », Suceava, Roumanie (27 octobre 2009)
29. *Spectroscopy of asteroids and Physical ephemerides* in ESTEC Noordwijk, Holland (5 Juin 2009)
30. *Physical ephemerides and spectroscopy of asteroids* in Brockport University, State of New-York, Etats-Unis (16 October 2008)
31. *Physical properties and surface composition of asteroids* Conference in Universita Catolica del Norte, Antofagasta, Chili (19 March 2008)
32. *Spectroscopie en infra-rouge proche avec l'IRTF*, in l'Observatoire de la Côte d'Azur (8 January 2007)
33. *The Pluto system and the New Horizons science objectives*, Seminar in the Atomic and Nuclear Physics Department - Astrophysics Laboratory Université de Bucarest, Roumanie(24 Octobre 2006)
34. *Etude du système solaire par des missions spatiales européennes: présent et perspectives*, Public conference Les 24 heures basiliennes d'astronomie, Lille, France (5 février 2006)
35. *L'observation à distance en infra-rouge proche des corps du système solaire* talk for the « Ecole thématique CNRS : Nouvelles techniques d'observation et bases de données : apports en astrométrie et mécanique céleste », 21-25 mars 2005, Gars, France (22, 23 mars 2005)
36. *Missions spatiales européennes pour l'étude du système solaire, présent et perspectives* Public conference during the « Semaine des sciences - Bucarest, Iasi, Timisoara », 18 - 23 april 2005, Roumanie (19 avril 2005).
37. *Near-IR (0.8-4.4 micron) spectroscopy of solar system bodies using remote observing: CODAM project*, Seminar in the Department of Physics and Astronomy, University of York, Canada (5 november 2004)
38. *Venus transit and its importance* Public lecture, French Embassy in Romania(12 mai 2004)
39. *L'importance éducationnelle des observations liées à la planète Venus*, Séminaire Temps-Espace, salle de l'Atelier, Observatoire de Paris, France (30 avril 2004)
40. *Rosetta Mission and Ground-Based Science of Asteroid Targets* Seminar in the Atomic and Nuclear Physics Department - Astrophysics Laboratory University of Bucharest, Romania (1 April 2004)
41. *Le Projet CODAM : spectroscopie en IR proche avec l'IRTF* Seminar Temps-Espace, salle de l'Atelier, Observatoire de Paris, France (March 2004)
42. *Remote observing technique ; first tests from Meudon* Conference in The Astronomical Institute of the Romanian Academy, Bucharest, Romania, April 2002
43. *Trans-Neptunian Objects and the early solar system formation* Talk in the Romanian Space Agency, Bucharest, Romania, February 1999
44. *Physics of asteroids potential targets of Rosetta mission ; observational approach* Talk in the Romanian Space Agency, Bucharest, Romania, February 1999

45. *Taxonomy of asteroids* Talk in the Institut de Mécanique Céleste et de Calcul des Ephémérides Salle de l'atelier, Paris, France November 1996