

Class III of Mathematics, Physics and Chemistry

Director: vacant

Vice Director: Andrzej Fuliński

Secretary: Michał Turała
Class III Members

Commission in Class III:

PAU Commission on Astrophysics

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Electronegativity, and in cooperation with the Institute of Physics at the Jagiellonian University issues a journal of international renown, Acta Physica Polonica B.

The Class has initiated the awarding of the Marian Mięśowicz Prize for outstanding achievements in the field of physics. This prize is funded by the Cracow scientific institutes involved with physics; the first prize winner was Władysław Wolter in 1997.

Commissions in Class III

PAU Commission on Astrophysics

Chairman: Kazimierz Grotowski

Vice Chairman: Marek Kutschera

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PAU Members:

Prof. dr Andrzej Budzanowski

Prof. dr Wiesław Czyż

Prof. dr Wojciech Dziembowski

Prof. dr Kazimierz Grotowski

Prof. dr Wincenty Kilarski

Prof. dr Józef Smak

Prof. dr Andrzej Staruszkiewicz

Prof. dr Adam Strzałkowski

Commission Members:

Prof. dr Piotr Bizoń

Prof. dr Marek Demiański

Prof. dr Maria Giller

Prof. dr Stanisław Gorgolewski

Prof. dr Stanisław Grzędzielski

Prof. dr Paweł Haensel

Prof. dr Roman Hołyński

Prof. dr Mikołaj Jerzykiewicz

Prof. dr Jerzy Kreiner

Prof. dr Andrzej Kus

Prof. dr hab. Marek Kutschera

Prof. dr Jerzy Machalski

Prof. dr Edward Malec

Prof. dr Józef Masłowski

Prof. dr hab. Michał Ostrowski

Prof. dr Bogdan Rompolt

Prof. dr Konrad Rudnicki

Prof. dr hab. Lech Sokołowski

Prof. dr Kazimierz Stępień

Prof. dr Romuald Tylenda

Prof. Marek Urbanik

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This Commission is involved with observational astronomy in the areas of optical electromagnetic radiation of radio waves, infrared, X-rays and gamma rays, detection of loaded particles, and the astronomy of neutrinos. The Commission's interests also extend into the sphere of such fields of physics as the theory of relativity, atomic and molecular optics, nuclear physics, the physics of elementary particles, and the theory of phase transitions.

One of the goals of the Commission's activities is to organize conferences. The first, in June of 1996, was devoted to solar astrophysics, neutron stars, and gamma flashes. The conference materials, published in English with funding from the PAU, bear the title *Solar Astrophysics, Structure of Neutron Stars, Gamma Flashes*.

The Commission undertakes publication initiatives, whose goal is to provide the Polish market with up-to-date textbooks and monographs. Work has begun on translating into Polish a modern textbook devoted to the structure of the Sun and the stars.

The Commission actively supports educational initiatives associated with astrophysics. Among such initiatives was a master's level area studies program in astrophysics at the Jagiellonian University, established in 1997.