

# SEMINARIUM RENTGENOWSKIE

Dnia 27.09.2016r. o godz. 10.30, w sali D Instytutu Fizyki PAN, odbędzie się seminarium rtg., na którym **dr Oleg Vovk** z Laboratory of Optical Ceramics, Institute for Single Crystals, National Academy of Science of Ukraine wygłosi referat na temat:

"Optical Ceramics of Cr<sup>4+</sup>:YAG: Some Peculiarities of synthesis"

## Streszczenie:

The presentation deals with some peculiarities of synthesis Cr<sup>4+</sup>:YAG optical ceramics. The following items that have strong impact on the final ceramics features will be considered:

1. Distribution Cr ions into intermediate phases under the solid state reactions and probability to form extra phases.
2. Mutual influence of additives of Ca and Si under the synthesis of Cr:YAG ceramics.
3. Influence concentration of Ca on the transparency of Cr:YAG ceramics.
4. Transformation kinetic of Cr<sup>3+</sup> to Cr<sup>4+</sup> in YAG ceramic matrix under annealing.

Prof. dr hab. Piotr Dłużewski