

Poster Presentation

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Crystallography for teachers

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In this work we present and analysis of the influence of workshop activities performed in our city regarding the dissemination of crystallographic science in all educational levels. The organized workshops in honor of the IYCr are aimed to introduce crystallography to elementary and high schools teachers. The main goal is to improve teachers' knowledge in crystal formation and its techniques. This will allow teachers to elaborate laboratory projects that include crystallography principles according to their own students' level and to encourage the participation in the national and international crystal growing competition. Topics: 1. Introduction to crystallography 2. Atomic structure, chemical bonds and periodic table 3. Types of crystalline solids: metallic, ionic and covalent 4. Crystalline systems 5. Introduction to structure determination using X-ray diffraction 6. Crystal growing

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