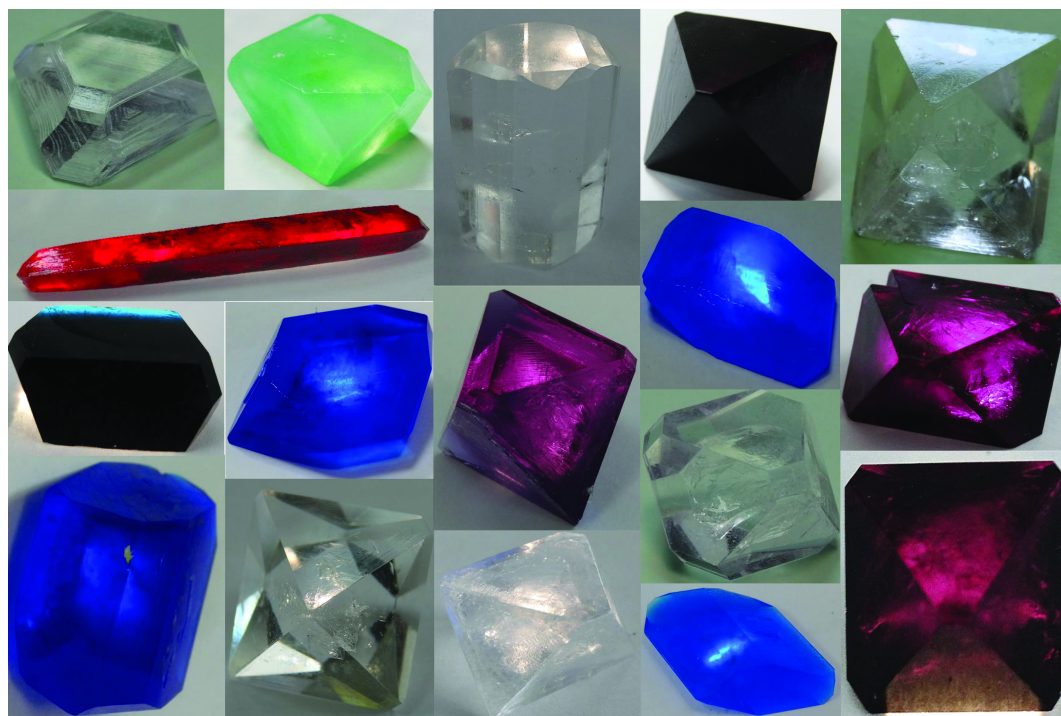


OUTREACH

EIGHTH POLISH CRYSTAL GROWING COMPETITION FOR SCHOOLS 2021

Ewa Talik

A selection of winning and distinguished entries to the Eighth Polish Crystal Growing Competition for Schools 2021. Photo credit: Dr Marcin Łaciak, Faculty of Science and Technology, University of Silesia.

The competition was organized at the Institute of Physics, University of Silesia, Poland, at the invitation of the IUCr in 2014 and IUCr Commission on Crystal Growth member Dr Hanna Dabkowska. For the 2021 competition, 620 people were registered, and 289 sent 456 crystals from 72 towns. The jury selected 3 winners and more than 20 works were distinguished. The awards ceremony took place on 17 June 2021 during the seminar "Crystals: order, beauty and usefulness" at the Institute of Physics, University of Silesia, Chorzów.



**Seminarium naukowe
Gala wręczenia nagród Laureatom
Instytut Fizyki, 17 czerwca 2021**

Program

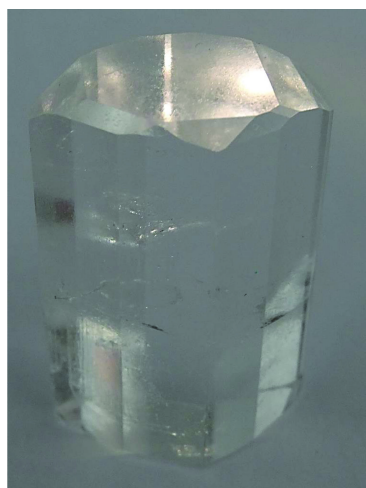
- 10.00 - powitanie gości
Dyrektor Instytutu Fizyki, dr hab. Sebastian Pawlus, prof. UŚ
- 10.10 - wystąpienie Dziekana Wydziału Nauk Ścisłych i Technicznych
prof. dr hab. Danuta Stróż
- 10.20 - prezentacja Laureatów konkursu
prof. dr hab. Ewa Talik, dr Magdalena Szubka
- 10.30 - „Kryształografia”
prof. dr hab. Maria Gdaniec, Wydział Chemii, Uniwersytet Adama Mickiewicza
- 11.10 - „Kryształy luminescencyjne”
dr hab. Dobrosława Kasprówska, prof. PP, Wydział Inżynierii Materiałowej i Fizyki Technicznej Politechniki Poznańskiej
- 11.40 - „Zagłębiamy do wnętrza materiałów”
dr Maciej Zubko, Instytut Inżynierii Materiałowej Uniwersytetu Śląskiego
- 11.55 - Emisja filmu THE MYSTERY OF THE GIANT CRYSTALS
- 12.45 - zakończenie seminarium

Instytut Fizyki im. Augusta Chełkowskiego Uniwersytetu Śląskiego,
Śląskie Międzuczelniane Centrum Edukacji i Badań Interdyscyplinarnych,
ul. 75 Pułku Piechoty 1a, Chorzów



The poster advertising the scientific seminar and award ceremony.

The Director of the Institute of Physics, University of Silesia, Professor Sebastian Pawlus, and the Dean of the Faculty of Mathematics, Physics and Chemistry, Professor Danuta Stróż, opened the Seminar connected with the award ceremony. The patronage of the competition included the Polish Society for Crystal Growth and the Committee of Crystallography, Academy of Sciences (detailed in the poster above). The organizing committee included Professor Ewa Talik, Dr Magdalena Szubka, Dr Monika Oboz, Dr Adam Guzik, Dr Aneta Szczygielska-Łaciak and Dr Marcin Łaciak.



Weronika Lorenowicz
Secondary school No.1
Rzeszów

1st place

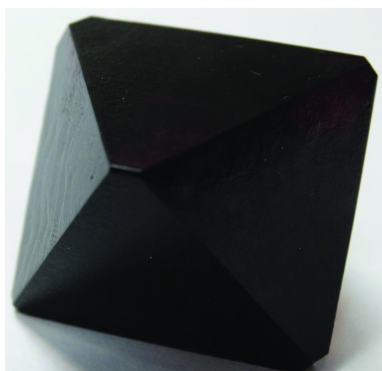
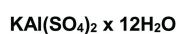
$C_4H_4KNaO_6 \times 4H_2O$
Seignette salt





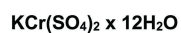
Anastasiia Afonina
Public Primary School No. 4
named of the Partisans
of the Kielce Region
Ostrowiec Świętokrzyski

2nd place



Kamil Janczyk
Andrzej Frycz
Modrzewski Secondary
School No.2

Rybnik
3rd place



The three winners of the competition. Photo credit: Dr Marcin Łaciak, Faculty of Science and Technology, University of Silesia.

Students awarded distinctions	Town	Compound
Magdalena Ruszkowska	Poznań	$\text{KCr}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Kinga Abrachamczyk	Rybnik	$\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$; $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Gabriela Drzewiec	Siedlce	$\text{K}_3[\text{Fe}(\text{CN})_6]$
Patrycja Mleczek	Klecza Dolna	$(\text{NH}_4)_2\text{Fe}(\text{SO}_4)_2$
Dominik Janczyk	Czerwionka- Leszczyny	$\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Karolina Rozpędek	Katowice	$\text{KCr}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$; $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Maksymilian Kozik	Gliwice	$\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Beata Niedbała	Nowa Sarzyna	$\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
Artur Rolnik	Ruda Śląska	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$
Weronika Lorenowicz	Rzeszów	$(\text{CH}_3\text{COO})_2\text{Cu} \cdot x\text{H}_2\text{O}$

Students awarded distinctions	Town	Compound
Julia Białek	Chorzów	$K(Cr,Al)(SO_4)_2 \cdot x12H_2O$; $CuSO_4 \cdot x5H_2O$
Wiktoria Golian	Lublin	$KCr(SO_4)_2 \cdot x12H_2O$
Anastasiia Afonina	Ostrowiec Świętokrzyski	$KCr(SO_4)_2 \cdot x12H_2O$
Barbara Stefaniuk	Siedlce	$Mg(SO)_4 \cdot xH_2O$
Bianka Wyrobek	Paniówki	$KAl(SO_4)_2 \cdot x12H_2O$
Natalia Bartkowiak	Poznań	$C_6H_8O_7$
Alicja Mizera	Pniewy	$CuSO_4 \cdot x5H_2O$
Wiktoria Marosik	Kostrzyn nad Odrą	$CuSO_4 \cdot x5H_2O$
Aleksandra Babiuch	Przebinia	$CuSO_4 \cdot x5H_2O$
Szymon Flis	Tychy	$KAl(SO_4)_2 \cdot x12H_2O$
Marcel Tomaszek	Stargard	$CuSO_4 \cdot x5H_2O$
Jan Chomiuk	Rybnik	$CuSO_4 \cdot x5H_2O$
Franciszek Kubuj	Otwock	$CuSO_4 \cdot x5H_2O$
Dominika Kucharska	Grójec	$CuSO_4 \cdot x5H_2O$

For full details, please see [here](#).



The prizes awarded in 2021.

Three lectures devoted to the subject of crystals were delivered during the seminar:

“Crystallography” – Professor Maria Gdaniec (Department of Chemistry, Adam Mickiewicz University, Poznań, Poland)

“Luminescent crystals” – Dr hab. Dobrosława Kasprowicz (Poznan Faculty of Technical Physics Institute of Materials Research and Quantum Engineering Division of Optical Spectroscopy, University of Technology, Poznań, Poland)

“Looking inside the materials” – Dr Maciej Zubko (Faculty of Exact and Technical Sciences Institute of Materials Science, University of Silesia, Chorzów, Poland).

The organizing committee expresses its thanks to Professor Juan Manuel García-Ruiz from the University of Granada, Spain, for sharing the video “The Mystery of the Giant Crystals” presented at the seminar.

Before the COVID-19 pandemic, winners participated in a scientific visit to CERN, Geneva, Switzerland, and the Solaris Synchrotron Radiation Centre, Kraków, Poland. For a full list of winners since 2014, please see [here](#).

1 October 2021

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