



# SUMMER SCHOOL OF SCIENCE

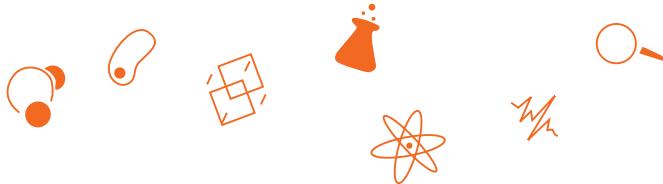
## $S^3/S^3++$

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$S^3$ : 29<sup>th</sup> July - 8<sup>th</sup> August 2018

$S^3++$ : 9<sup>th</sup> - 19<sup>th</sup> August 2018

Požega, Croatia



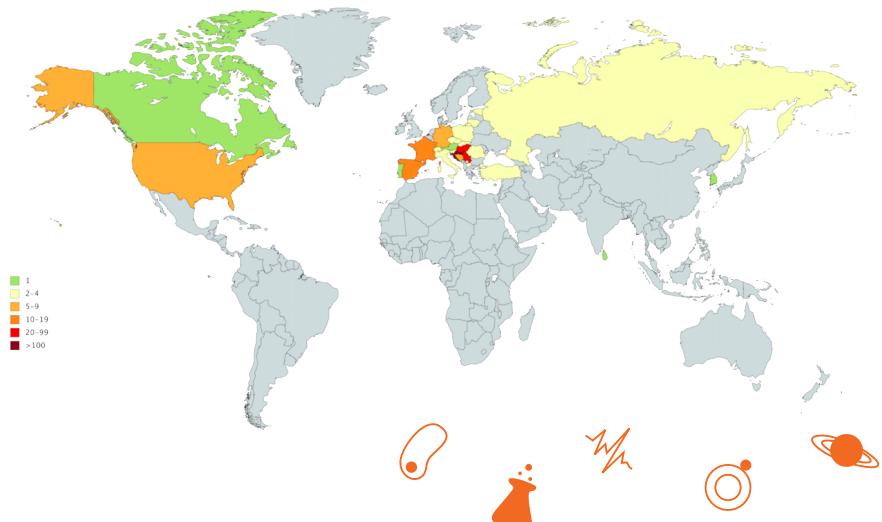
# WHAT IS SUMMER SCHOOL OF SCIENCE?

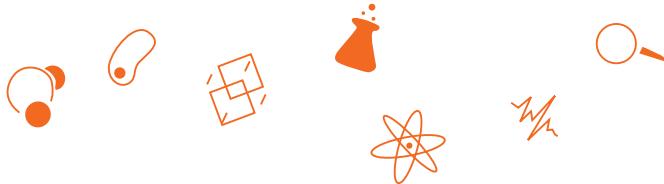
Summer School of Science is educational scientific program targeted at high school students. Main goal of the Summer School is to give students possibility to work on actual scientific problems and promote options related to natural sciences.

School is organized in two camps that take place in July and August each year. Around 40 students work in small groups of three or four under a supervision of a mentor, who is usually a PhD student or a postdoctoral researcher.

Summer School of Science was founded in 2001 in Višnjan by a group of young enthusiastic science educators, and due to a large interest, was expanded to Požega since 2010.

The School has an entirely international character, and so far in Požega it has hosted more than 250 students from different countries such as Croatia, Germany, France, Spain, Turkey, Switzerland, Lithuania, USA, Sri Lanka and many other.



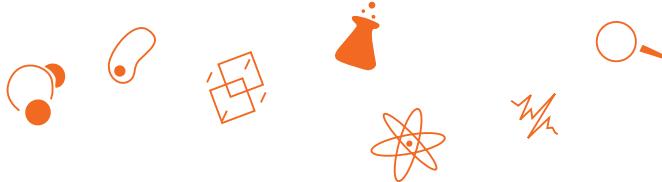


## WHAT SUMMER SCHOOL OFFERS?

The School gives students opportunity to participate in their very own research project, thus enabling them to directly experience how it feels to work as a scientist. In addition, by participating in the School, students develop critical way of thinking, learn how to communicate and present their results to the group of peers, and moreover obtain a network of people with similar interest.

Mentors, PhD students and scientists, get experienced in project design, leading and management. They expand their teaching and social skills and get to know importance of science popularization and work with young people.





## WHO CAN RECOMMEND US?

*The scientific projects done by the participants were outstanding, and I was impressed by how much they learned, and what they were able to achieve. The excitement and pride in their eyes when they talked about their projects was the best testimony that the school successfully reached its goal to excite young people for science and show them that they can do anything if they want to.*

**Prof. Dr. Ivo Sbalzarini, Max Planck Institute Dresden, Germany**

*Summer School of Science gives answers to practical questions how to investigate something and get relevant answers. Besides that, participants are successfully preparing for teamwork, because they have to talk and share their ideas, but also at the same time actively listen and respect others.*

**Prof. Dr. Ivan Đikić, Goethe University Frankfurt, Germany**

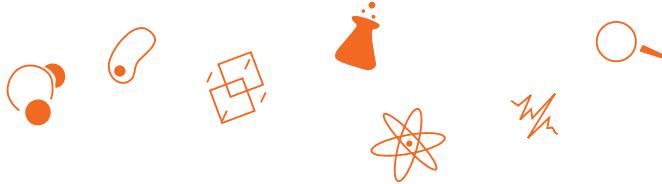
*I have been following the program of the Summer School for several years now, since I have participated three times as a guest lecturer and I can openly say that it represents one of the most dynamic and advanced science programs for gifted students, not only in Croatia but also on an international level as well.*

**Prof. Dr. Bojan Žagrović, Max Perutz Laboratories Vienna, Austria**

*Perhaps the most impressive thing about the Summer School of Science is its longevity and continuity. It's clear that the idea is good and strong, so that over the years the baton of organisation has passed seamlessly from hand to hand down generations of graduate students and there is great loyalty and support from alumni and past mentors. I'm sure that the experience of the Summer School makes a deep impression on its alumni. I was certainly impressed by the whole thing!*

**Sir Tim Hunt PhD FRS, Cancer Research UK**





## WHO CAN RECOMMEND US?

*Small scale it might be, but it is impressively intense and effective. I hope funds are made available for its continuation, for it is a jewel among all the laudable efforts to encourage the young into science.*

**Prof. Dr. Peter Atkins, University of Oxford, UK**

*There was a great spirit of sharing and comradeship within each of the groups and friendly rivalry with other groups. The overall atmosphere was friendly and intellectually stimulating and I'm sure most of the participants leave the school with fond memories of a most enjoyable episode. Many will also, surely, build on this experience and use it to guide a future career in science.*

**Prof. Dr. Dennis Bray, University of Cambridge, UK**

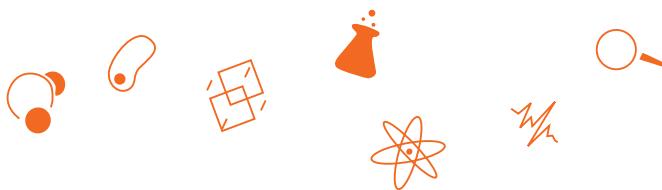
*I personally had never seen such a thing and was very impressed. I'm certain that for the students this summer school is something they will remember all their lives and for many this will change their life.*

**Prof. Dr. Joan Daemen, Radboud University and STMicroelectronics, the Netherlands**

*I truly believe that this is an excellent summer school and an outstanding example of how science breaks down borders.*

**Prof. Dr. Daniela Bortoletto, University of Oxford, UK**





## WHO ARE OUR PARTICIPANTS?

Participants of the Summer School are motivated high school students from all over the world. Through practical work on their projects, they develop foundations of scientific literacy and network of contacts with experts and peers from all over the world. These are the key factors that can influence their future educational and career path.

*The Summer School of Science was truly a memorable experience, where I learned so much and gained so many skills that will for sure be of very valuable use in the future. – Ana, Germany*

*I met some incredible people who became unforgettable part of my life. Experiences and amount of knowledge I have gained are enormous. – Jovan, Serbia*



# TESTIMONIALS

*Summer School of Science is a place where enthusiasm meets knowledge and creativity. There is no better feeling then feeling of freedom to ask, discover and learn while being accompanied with people of the same kind. S3 impressed me one more time.*

*What makes us think light is a wave? Dora, Martina, Jovan and Tomislav got the chance to play with laser and discover some of the phenomena in physical optics; like diffraction, interference and polarization and get a sense of how laws that govern those phenomena can be applied to calculate some cool stuff like distance between bits on to calculate some cool stuff like distance between bits on a CD or between erythrocytes on coating.*

**Tea Muzic, Swapshop leader**

**University of Copenhagen, Denmark**

*S3 is brilliant project for young person who has to decide about further career. I learned so many things; in field of my scientific interests and in general. Beautiful young people, our project leaders and organizers, showed us that nothing is hard if you really want it. In 10 days, thanks to them, I realized that it is not only important to be a good scientist, than to be a good person. It was unforgettable experience and I am really grateful for being a part of it.*

**Martina Manenica, 3rd grade**

**Grammar School Metkovic, Croatia**

*This Summer School was the best experience in my life! I was given the opportunity to learn about science and things related to it. I've met many excellent people both students and lecturers/swapshop leaders who gave me a lot of useful advice which will help me in my future career. I gained knowledge and a lot of friends during this school, everything was so well organised (with perfect ration of hard work and fun/free time). I hope that in the future this school will grow and become more popular and that, one day, I will come back to it: either as a lecturer, swapshop leader or something else.*

**Tin Kocjan, 4th grade**

**Prva Gimnazija Varazdin, Croatia**

*Summer School of Science gave me the opportunity to work so closely with so many successful scientists in such an early age, which is such a great and rare opportunity. Learning from them about science is great, but It's also wonderful to hear them talk about life, success and failures, and realize what are the things that really make somebody a leader in also a lot about teamwork and other cultures which were brought together based on common interests. It was great to meet so many, I could say, global peers who are all so ambitious and well rounded, possibly future leaders in science and I think that friendships and connections are a valuable thing the school brought us, and it will probably be a while before we realize the full impact it had on us.*

**Tamara Tica, 3rd grade**

**Grammar School Jovan Ducic, Bosnia and Herzegovina**



# ORGANIZERS 2018



## S3

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