

BASIS Summer School

# «Modern methods in Quantum Field Theory»

**2020** July 20  
August 01

**VENUE:** SIRIUS Education Centre at the Black Sea coast in Sochi, Russia

**DEADLINE FOR APPLICATIONS:** **20 March, 2020**

## LECTURE COURSES:

«On-shell methods for quarks, gluons and black holes» / Alexander Ochirov (ETH, Zurich)

«Integrable quantum field theories» / Konstantin Zarembo (Nordita, Stockholm)

«Introduction to two-dimensional conformal field theory» / Anatoly Dymarsky  
(Kentucky U. & Skoltech)

«Introduction to the SYK models» / Grigory Tarnapolsky (Harvard U.)

«T-Tbar deformations of integrable systems» / Alessandro Sfondrini (Padua U.)

«Infrared divergences in gauge theories» / Gregory Korchemsky (Institute de Physique  
Theorique, Saclay)

## ORGANIZERS:

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## FURTHER INFORMATION:

[basis-foundation.ru/summer-school](http://basis-foundation.ru/summer-school)

## APPLICATION:

[basis-foundation.ru/summer-school/application](http://basis-foundation.ru/summer-school/application)

