

“MATHEMATICAL METHODS IN SCIENCE AND TECHNOLOGY”

JUNE 5 – 10, 2017 SUMMER SCHOOL, NAZARBAYEV UNIVERSITY

Titles of Lectures

- 1) ANASTASIOS BOUNTIS, “Mathematical Modeling of Complex Systems”, Lectures I and II, Professor, Department of Mathematics, SST, Nazarbayev University.
- 2) ANTON DESYATNIKOV, “Solitons and Vortices in the World Around Us”, Professor, Department of Physics, SST, Nazarbayev University.
- 3) VASSILIOS KOVANIS, “Nonlinear Oscillators and their Role in Photonics”, Professor, Department of Physics, SST, Nazarbayev University.
- 4) DAVIDE LA TORRE, Lecture I: “Mathematical Modelling and Methods in Economics”, Lecture II, “Mathematical Methods in Finance and Portfolio Management”, Professor, Department of Mathematics, SST, Nazarbayev University.
- 5) DANIELE MALAFARINA, “The Mathematics of Black Holes and the Big Bang”, Assistant Professor, Department of Physics, SST, Nazarbayev University.
- 6) AIKATERINI MANDILARA, “From Quantum Mechanics to Quantum Computing”, Assistant Professor, Department of Physics, SST, Nazarbayev University.
- 7) GULGASSYL NUGMANOVA, “Integrable Partial Differential Equations of Mathematical Physics”, L.N. Gumilyov Eurasian National University.
- 8) FRANCESCO SICA, “The Mathematics of Cryptography”, Assistant Professor, Department of Mathematics, SST, Nazarbayev University.
- 9) PIOTR SKRZYPACZ, "On Numerical Crimes in Computational Fluid Dynamics", Assistant Professor, Department of Mathematics, SST, Nazarbayev University.
- 10) ATAKAN VAROL, “Introduction to State Space Control Theory”, Department Chair and Associate Professor, Department of Robotics and Mechatronics, SST, Nazarbayev University.
- 11) DONGMING WEI, “Analytical and Numerical Methods in Elasticity”, Professor, Department of Mathematics, SST, Nazarbayev University.
- 12) ZHANAT ZHUNUSSOVA, "Integrable Partial Differential Equations and their Applications", Professor of the Department of Differential equations and Control theory, Mechanical and Mathematical faculty, Al-Farabi Kazakh National University.