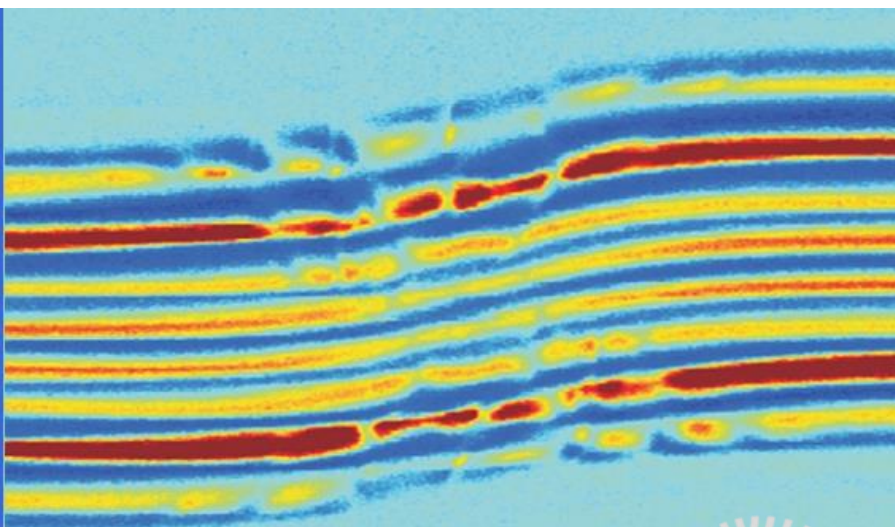


# SUMMER SCHOOL AND CONFERENCE

FOR YOUNG RESEARCHERS

## ON MODERN QUANTUM TECHNOLOGIES



Universität  
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### Summer School Program:

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Prof. Dr. Werner Vogel (Univ. Rostock), Measurement theory in quantum optics

Prof. Dr. Stefan Scheel (Univ. Rostock), Quantum theory of light in dielectrics — from linear optics to boson sampling

Prof. Dr. Boris Hage (Univ. Rostock), Squeezed light generation and application

Prof. Dr. Alexander Szameit (Univ. Rostock), Classical and quantum optics in waveguide arrays

Prof. Dr. Sc. Sergey Shevchenko (Verkin ILTPE, NASU, Kharkiv), Quantum computation from the physicists viewpoint

Prof. Dr. Sc. Alexander Kordyuk (KAU & IMP, NASU, Kyiv), Introduction to superconductivity

Prof. Dr. Sc. Valery Gusynin (BITP, NASU, Kyiv), Graphene and QED in 2+1 dimensions

Dr. Sc. Yaroslav Zolotaryuk (BITP, NASU, Kyiv), Nonlinear wave phenomena in Josephson junctions

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10-14  
SEPTEMBER  
2018

**BOGOLYUBOV INSTITUTE  
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