

COMPUTATIONAL DESIGN OF NEW OPTICAL MATERIALS

WHEN:

June 5, 11:00-13:00

WHERE:

Nobel str. 3, Skoltech,
blue building, room 407



Prof. Shilie Pan
Vice Director,
Xinjiang Technical
Institute of Physics
and Chemistry

Prof. Shilie Pan completed his Ph.D. under Prof. Yicheng Wu (Academician) at University of Science & Technology of China in 2002. During 2002-2004, he was a post-doctoral fellow at Technical Institute of Physics & Chemistry, Chinese Academy of Sciences in the laboratory of Prof. Chuangtian Chen (Academician). During 2004-2007, he was a post-doctoral fellow at Northwestern University in the laboratory of Prof. Kenneth R. Poeppelmeier in USA. Since arriving at the Xinjiang Technical Institute of Physics & Chemistry, Chinese Academy of Sciences in 2007, Prof. Pan has received numerous awards and honors as follows: National Ten Thousand Talents Project; 2016 Chinese Overseas Chinese Contribution Award; 2016 Zhu-Li-Yue-Hua Outstanding Teacher Award of Chinese Academy of Sciences; 2015 and many others.

Prof. Pan has published over 260 peer-reviewed papers, 3 authorized US patents, 46 authorized Chinese patents and has presented the research at conferences, institute and Universities and throughout China and world. Research in Prof. Pan's group involves the synthesis, crystal growth, crystal structure, properties characterization, structure-property relationships and devices in new optical-electronic functional materials.



Prof. Zhihua Yang,
Xinjiang Technical
Institute of Physics
and Chemistry

Prof. Zhihua Yang received her PhD in 2008 at Zhejiang University and worked as postdoc at Sungkyunkwan University in Korea during 2009-2011. Currently, she is professor at Xinjiang Technical Institute of Physics and Chemistry and Director of Numerical Simulation Laboratory for opto-electronic functional materials in Xinjiang Technical Institute of physics & Chemistry, Chinese Academy of Sciences. Presiding over the National Natural Science Foundation of China, the National "One Thousand Youth Talents Project Foundation Program" (The Recruitment Program of Xinjiang Special Program on Global Experts for Young Scholar), the Excellent "One Hundred Talented People" of The Chinese Academy of Sciences, the West Light Foundation of The Chinese Academy of Sciences, Published 31 papers, such as Phys. Rev. Lett.; Phys. Rev. B.

Prof. Zhihua Yang mainly engaged in research for opto-electronic functional materials: nonlinear optical materials, piezoelectric materials, ferroelectric materials, and magnetic materials using first-principles calculations and study of numerical methods.

11:00-11:45

Prof. Shilie Pan

(Xinjiang Technical Institute
of Physics and Chemistry)

**"New Borate Nonlinear
Optical Materials"**

11:45-11:50

Questions to **Prof. Pan**

11:50-12:35

Prof. Zhihua Yang

(Xinjiang Technical Institute
of Physics and Chemistry)

**"Mechanism and Design
of Deep-UV Nonlinear
Optical Materials with
Tetrahedral Structural
Units"**

12:35-12:40

Question to **Prof. Yang**

12:40-13:00

General discussion

LOOKING FORWARD
TO SEEING YOU!



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