INTRODUCTION

The School on Bound-State QED follows the PSAS’ 2020 conference and is aimed at an audience of Graduate Students, Postdocs and Young researchers. Highly qualified scientists will present introductory and specialized lectures on various topics in the field of QED. Each lecture will take one hour and the interaction time between students and lecturers is also arranged.

VENUE

The School on Bound-State QED will be held at University of Science and Technology of China (USTC) in Hefei. Address: No.96 JinZhai Rd, Baohe District, Hefei, Anhui 230026, P.R.China.

ORGANIZERS

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WEB SITE
http://atta.ustc.edu.cn/PSAS2020/
http://psas2020.csp.escience.cn/

SPEAKERS

Greg Adkins
"Positronium: the quintessential QED bound state"
Franklin & Marshall College

Andrzej Czarnecki
"Introduction to Non-relativistic QED"
"Applications of NRQED"
University of Alberta

Vladimir Dzuba
"Calculation of relativistic effects in many-electron atoms and ions"
UNSW Sydney

Michael Eides
"Effective Dirac equation and hyperfine splitting in muonium"
University of Kentucky

Savely Karshenboim
"Different sectors of bound state QED"
Max Planck Institute of Quantum Optics, Ludwig-Maximilians-Universität München

Vladimir I. Korobov
"Variational method for the bound states in quantum mechanics"
Joint Institute for Nuclear Research

Krzysztof Pachucki
"NRQED approach for studying the hydrogen molecular ions and antiprotonic helium"
University of Warsaw

Vladimir M. Shabaev
"QED theory of high-Z few-electron ions"
St. Petersburg State University

Vladimir A. Yerokhin
"Calculations of QED effects to all orders in the binding nuclear field: electron self-energy"
St. Petersburg State Polytechnic University

Stefano Laporta
"Calculations of higher-loop QED form factors and application to bound states"
University of Padua