



**Jianquan Yao (姚建铨)**

姚建铨，激光与光电子科学家。中国科学院院士、天津大学精密仪器与光电子工程学院教授、博士生导师、院学位委员会主任、名誉院长、激光与光电子研究所所长。

多年从事激光与非线性光学频率变换技术的研究，提出并发展了双轴晶体最佳相位匹配计算的理论与方法，被国际学学术界称为“姚技术”、“姚方法”。在国际上率先建立了双轴晶体最佳相位匹配计算——类高斯分布理论——准连续高功率倍频激光器——准连续激光调谐系统的技术体系。他在激光非线性光学频率变换领域取得系统的、创造性的成就，在国际上享有一定的声誉。在高功率全固态激光器和周期极化晶体——准相位匹配技术方面的研究达到国际先进水平。近年来正在开展太赫兹波辐射的研究。

**Jianquan Yao** is an Academician of Chinese Academy of Sciences. He is a professor of Tianjin University, China. Prof. Yao's field of expertise includes Laser physics and technique, nonlinear optics, opto-electronics, and his major research achievements are on the lasers and optical frequency conversion. He presented and developed the theory and method of precise calculation of the optimum phase matching for three wave interactions with nonlinear optical biaxial crystals, which have been said as "Yao and Fahlen Technology". He established a quasi-CW pumped—tunable laser technical system, making important contributions to the development of the new solid-state laser and tunable laser technologies.