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高科概况

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中心简介



北京高压科学研究中心筹建于2012年5月，英文名称为Center for High Pressure Science & Technology Advanced Research (HPSTAR)，正式成立于2014年6月，是由中央批准成立的具有独立法人资格的国家事业单位。目前，中心在北京、上海、长春及海外分别设有实验室，引进研究员32名。研究领域涵盖多个学科，研究主题为高压条件下物质的基本性质与规律，具体可分为高压物理学、高压化学、超硬材料、行星与地球物理、高压纳米科学、高压功能材料、高压能源、高压技术、高压同步辐射源等九大研究方向。截至2016年底，中心已发表论文350篇，其中高影响因子论文85篇。

中心以高压科学研究为牵引，借鉴国际先进的精英科研管理模式，以“自由、合作、顶尖”为核心理念，延揽国际一流人才，充分利用国内外大科学实验平台，专心致力于高压科学与技术研究，力争用较短的时间在若干领域内取得重大突破，打造未来世界高压科学的研究中心。

About HPSTAR



HPSTAR (Center for High Pressure Science & Technology Advanced Research) is a research institution of high-pressure sciences led by Dr. Ho-Kwang Mao. In September 2012, as one of the Innovative Teams supported by China's Top 1000 Talent Program, HPSTAR was first established in Shanghai, followed by two new laboratories in Changchun and Beijing. In 10 years, HPSTAR is projected to grow to 90 faculty members and 600 staffs including graduate students, postdocs, visiting scientists, engineers and administrative personnel.

Research areas of HPSTAR includes: high-pressure physics, high-pressure chemistry, super-hard materials, Earth & planetary interiors, high-pressure technology, high-pressure photon science, high-pressure nano science, high-pressure functional materials, and high-pressure energy science.

The mission of HPSTAR is to become a world-leading research center in high-pressure research and to impact multidisciplinary physical sciences. HPSTAR provides ample research funding, advanced facilities, and open, liberal, collaborative research environment. Scientists of HPSTAR have the total freedom to define their research goals, paths, teams, and collaborations in China and abroad. They will be able to fully devote their time, efforts, and creativity to pursue individual scientific dreams.



中心组织架构 Organization Chart

