所情概述

中国科学院长春光学精密机械与物理研究所（简称长春光机所）始建于1952年，是新中国在光学领域建立的第一个研究所，1999年与中科院长春物理所整合。现从事发光学、应用光学、光学工程、精密机械与仪器的研发生产。

建所60余年来，长春光机所在以王大珩院士、徐叙瑢院士等为代表的一批科学家的带领下，研制出中国第一台红宝石激光器、第一台大型电影经纬仪等多种先进仪器设备，创造了十几项"中国第一"：组建、援建了10余家科研机构、大专院校和企业单位，并为其输送了2200多名各类专业人才；有23位在本所工作过的优秀科学家当选为两院院士，并涌现出"知识分子的优秀代表"蒋筑英等众多英模人物：先后参加了"两弹一星"、"载人航天工程"等多项国家重大工程项目，为我国国防建设、经济发展和社会进步做出了突出贡献。

进入知识创新工程以来，长春光机所坚持以科技创新为核心的"研产学并举"发展道路，在科研领域攻克了多项关键技术，取得了以神舟系列有效载荷为代表的一批重大科研成果。现有18个研究部室，其中国家重点实验室/工程中心6个、中科院重点实验室2个。长春光机所园区占地面积1平方公里，建筑面积41万平方米，园区结构合理、功能齐全、设施先进、环境优美。

长春光机所现有在职职工2100余人，其中院士3人，"千人计划"2人，"百人计划"11人，国务院政府特殊津贴获得者37人，863、973各领域专家9人，国家级各类领军人才15人。作为中科院博士生重点培养基地，长春光机所设有硕士点8个、博士点6个、博士后流动站3个，在学研究生近千人。

长春光机所的各项工作得到社会各界的大力支持和充分肯定，曾荣获多项奖励和荣誉称号。2000年以来，获得国家及省部级科技成果奖励70余项；公开发表论文11600篇；获得授权专利1224项。2002-2003年，连续两年获得"全国五一劳动奖状"，2011年被评为"全国先进基层党组织"，2014年被授予"全国文明单位"称号。

Introduction to CIOMP

Founded in 1952, the Changchun Institute of Optics, Fine Mechanics and Physics (CIOMP) was formed by combining two institutes in 1999: the Changchun Institute of Optics and Fine Mechanics and the Changchun Institute of Physics. As the first national research institute in modern China with optics as its primary focus, CIOMP undertakes research in luminescence, applied optics and optical engineering, as well as the research and development of precision machinery and instruments.

Over the past 60 years, led by a group of scientists including WANG Daheng and XU Xurong, CIOMP has developed more than a dozen advanced instruments for the first time in China –for example, the first ruby laser and the first large theodolite. By sponsoring and helping to establish more than 10 research institutes, colleges and enterprises, CIOMP has contributed 2,200 professionals to other national institutions. Since establishment, 23 individuals have been elected as academicians of the Chinese Academy of Sciences (CAS) or the Chinese Academy of Engineering (CAE). One of CIOMP's outstanding scientists, JIANG Zhuying, became a model Chinese intellectual. CIOMP has been involved in many important national projects, such as 'Two Bombs, One Star' and manned space projects, and has demonstrably made significant contributions to national defense initiatives, economic growth and social progress.

After joining CAS' Knowledge Innovation Project, CIOMP has formulated an integrated "Research, Industry, and Education" strategy. This has enabled many key technological breakthroughs, which have led to significant outcomes such as payloads for the Shenzhou missions. CIOMP now hosts 18 research departments, 6 State Key Laboratories and engineering centers, 2 CAS Key Laboratories. The CIOMP campus covers a square kilometer, with buildings comprising 410,000 square meters. The buildings are impressive structures with complete functionality and advanced facilities in a beautiful environment.

More than 2,100 professionals work at CIOMP, including 3 CAS academicians, 2 Thousand Talents Program members, 11 One–Hundred Program members, 37 individuals receiving special government allowance from the State Council, 9 recipients of "863" or "973" grants in various research areas, and 15 researchers that are national leading experts.

CIOMP is also a key base for CAS postgraduate and postdoctoral education. It offers 8 masters degree programs, 6 doctoral degree programs and 3 postdoctoral programs. Currently, there are nearly one thousand graduate students studying at CIOMP.

CIOMP's work and contributions have been recognized by the nation and by society. Since 2000, CIOMP has received many awards including 70 national or regional awards, published 11600 papers, and acquired 1224 authorized patents. In 2002 and 2003, CIOMP won the National May 1st Labor Certificate. CIOMP was also named as a National Model Grass–roots Party Organization in 2011 and was awarded the title "National Civilized Unit" in 2014.