

CENTRAL EUROPEAN SYNCHROTRON LABORATORY



Central European
**SYNCHROTRON
LABORATORY**

Introduction

Construction of the synchrotron facility has been proposed by the Academy of Sciences of the Czech Republic (ASCR) as one of the projects to be realized from the Structural Funds of the European Union. The CESLAB will be a modern third-generation electron synchrotron facility with energy of 3 GeV serving the Central Europe from year 2015. Due to the favourable geographical location of Brno, the facility will serve not only to the needs of the Czech science, research and industry, but also to the Central European partners from Slovakia, Austria, Hungary, and others. It will be constructed in conjunction with other European and world synchrotrons; the accelerator complex itself in conjunction with the team of the Spanish synchrotron ALBA. The beamlines which are being prepared will focus on structural biology, imaging techniques, biomedicine,

structural chemistry, material sciences, nanotechnologies, and the environmental research.

More CESLAB information is available at the addresses www.synchrotron.cz and www.ceslab.eu.

The first part of the issue is devoted to the CESLAB project, the second one to the materials of the international conference “Synchrotron Facilities for the Development of Science and Technology in Central and Eastern Europe”. The aim of the conference was to present the CESLAB project to the Czech and international scientists, synchrotron radiation users and politicians and to provoke a fruitful discussion about the project idea. The conference took place in Brno in November 2007.

S. Kozubek, P. Mikulík



Figure. Architectural rendering of the CESLAB area.