



ECCE



ECCE

“European Committee for Establishing a Center of Excellence in Mathematics and Theoretical Physics in Palestine”

→ <http://www.physik.uni-augsburg.de/ifk/ecce/>

University of Augsburg

Founded 1970

Ca. 14.000 students

Seven faculties

Catholic Theology

Economy

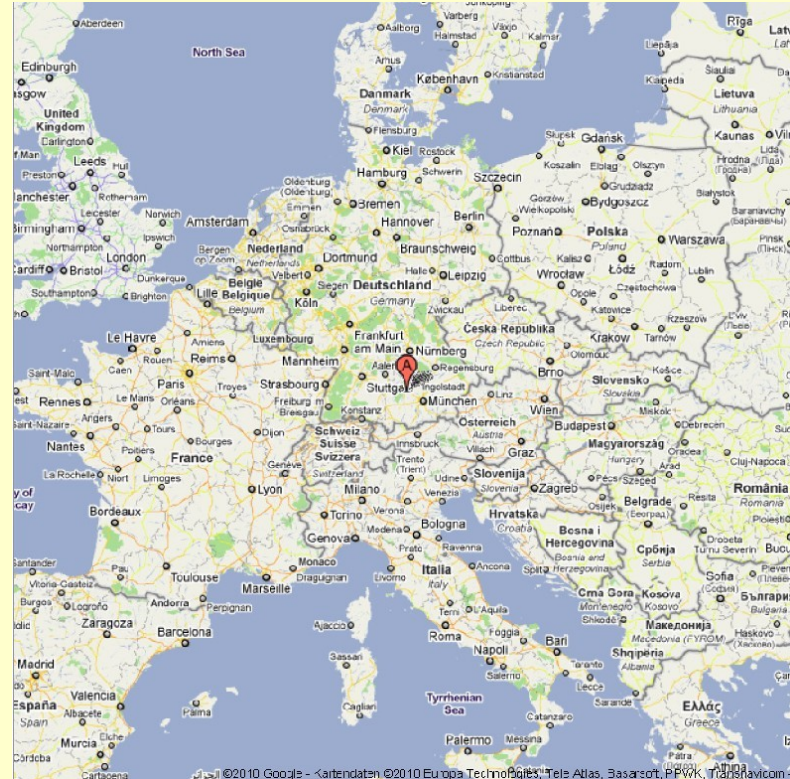
Law

Philosophy & Social Sciences

Philology & History

Mathematics & Physics

Informatics & Geography



➤ **General Goals**

- training students in Mathematics and Theoretical Physics up to PhD level; promoting research in these fields
- grants, workshops and conferences, library, computer facilities
- bringing people together through higher education, through training in scientific research and cooperation
- contributing to peace and human development in an era of globalization through education, the sciences, culture and communication

➤ **Supporters and Partners**

- about 25 individual scientists
- Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy
- Center for Advanced Mathematical Sciences, American University of Beirut, Lebanon
- Center for Applied Mathematics and Theoretical Physics (CAMTP), Maribor, Slovenia
- European Physical Society (EPS)
- International Society of Difference Equations
- International Union of Pure and Applied Physics (IUPAP), C13: Physics for Development

➤ **First steps**

- October 2003: ECCE launched, contacts with Birzeit University
- contacts to mathematicians and physicists world-wide; webpage
- 2004: contact to the PEACE Programme at UNESCO
- February 2005: PEACE conference, Bethlehem
- March 2005: contact to Georges Haddad, UNESCO / HED
- June 2005: BZU develops budget plan
- November 2005: Academics Across Borders, UNESCO, Paris

- April 2006: UNESCO Chair proposal submitted (Birzeit, Augsburg, Trinity, Paris-Sud 11, PEACE)
- November 2006: UNESCO Forum on Higher Education ..., Paris; contact to M. Nalecz, UNESCO / IBSP
- December 1, 2006: UNESCO Chair agreement signed
- September 1, 2007: UNESCO Chair at BZU established (Prof. Henry Jaqaman)
- November 2007: PEACE Conference on Research Development in Palestinian Universities, Paris
- July 2008: International Conference, Birzeit University: Palestinian Conference on Modern Trends in Mathematics and Physics (PCMTMP); chair: Prof. Henry Jaqaman

➤ Recent Developments

- June/July 2009: summer school for graduate students in mathematics, two 6-week courses (Profs. Elaydi, Saleh, Titi), at BZU
- October 2009: three-day workshop on “protein dynamics”, and
- June/July 2010: summer school on “protein structure and dynamics”, both in cooperation with Paris-Sud 11, at BZU
- August 2-4, 2010: PCMTMP II, An-Najah University, Nablus; chair: Prof. Sami Al-Jaber
- 2010: UNESCO Chair agreement renewed
- 2010: agreement between BZU and Palestinian Authority to establish the “CEMP”
- 2012: PCMTMP III, at Palestine Polytechnic University, Hebron

- ➔ **Supporting mathematics and physics education at all levels**
- ➔ **Science for technological development in Palestine and the region at large**
- ➔ **Interdisciplinarity**
- ➔ **Science at an internationally competitive level**
- **Possible Topics (e.g.): materials science, non-linear dynamics, complex systems, quantum chaos, quantum information, mathematical biology, aspects of life sciences and biophysics, ...**