

CARE

Coordinating the Antenna Research in Europe

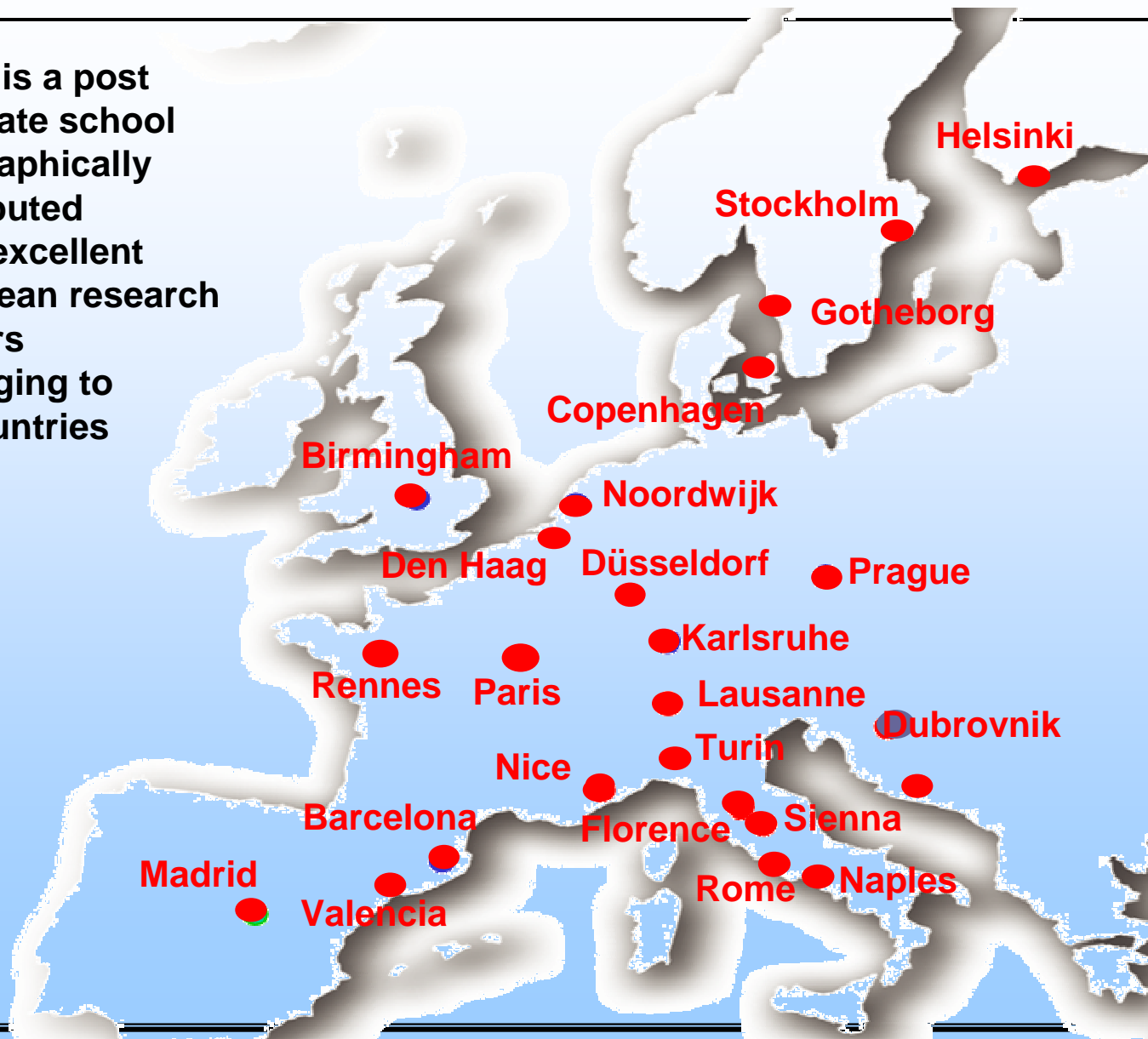
CARE and ESoA

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In **WP5**, the **ESoA initiative** (see figure) will be prolonged in 2010 and 2011, by the contributions of IMST, KIT, IDS, CTU, TNO, UNISI, UPM and EPFL.



ESoA is a post graduate school geographically distributed in 24 excellent european research centers belonging to 12 countries



• **Duration of each course:**
one week

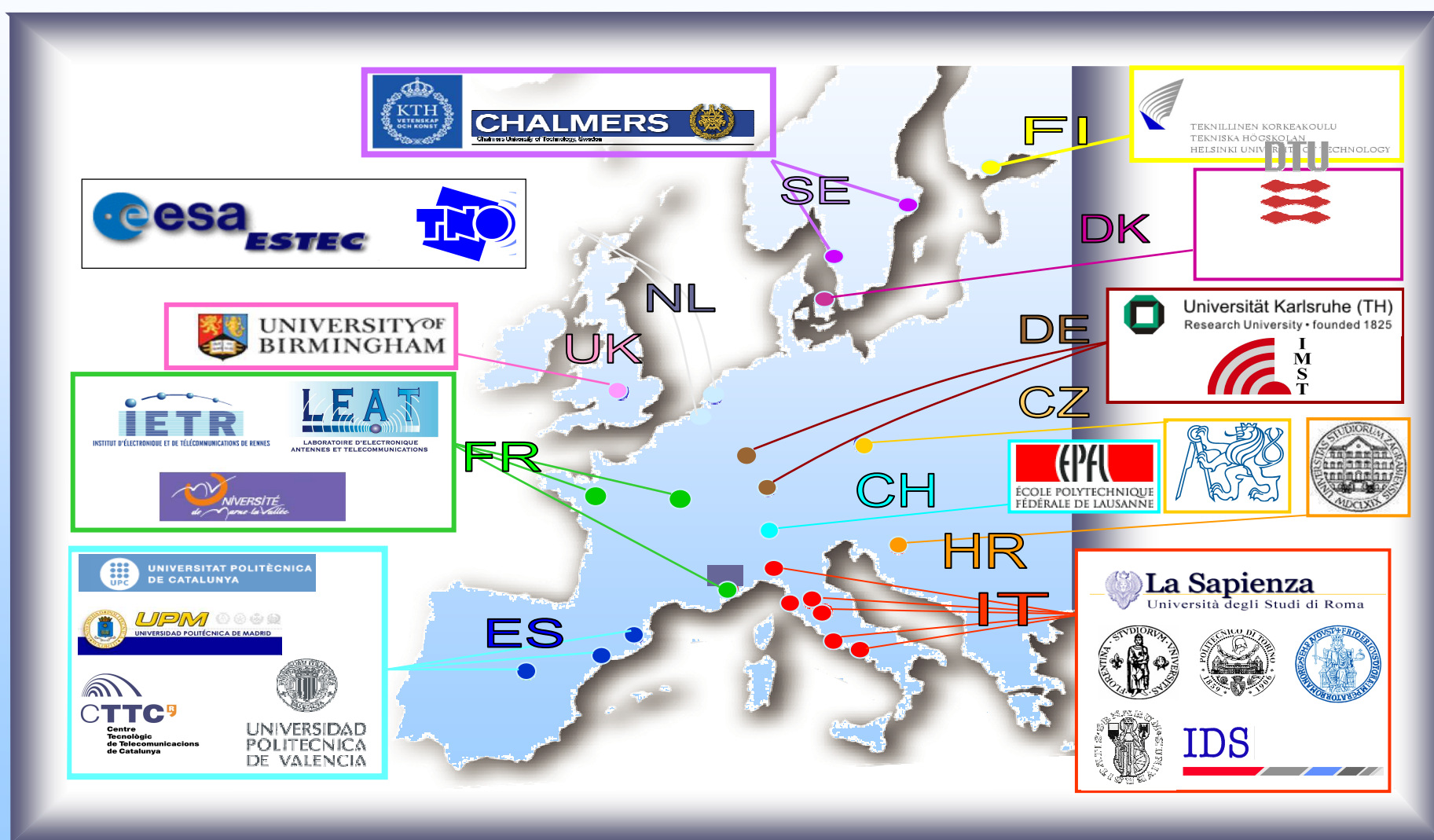
• **Time framework:**
most from March to October

• **Number of courses per year:**

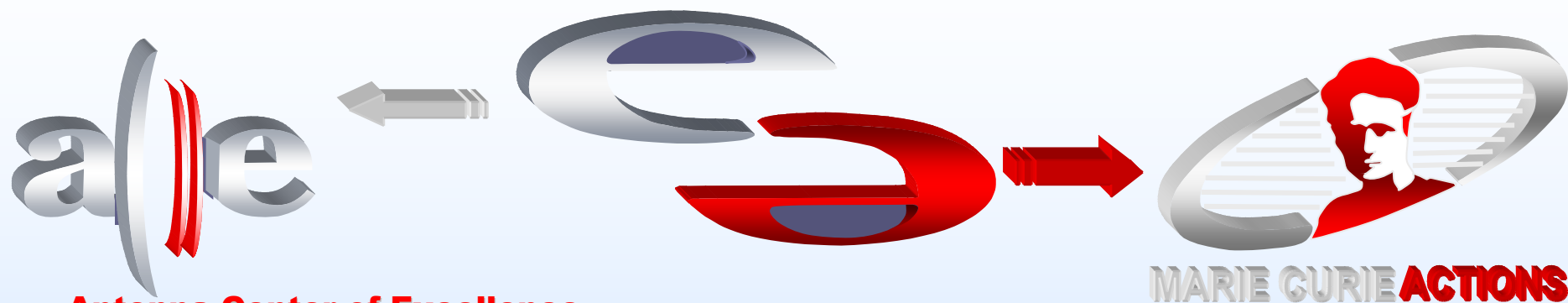
2005: 11
2006: 11
2007: 10
2008: 11
2009: 12

• **Total Number of teachers involved**
150 (most professors)

20 Universities and 4 research centers 12 countries



- | | |
|----------------------|--|
| (1) S. Maci | (1) Università degli Studi di Siena, Italy |
| (2) B. Lindmark | (2) Kungliga Tekniska Högskolan, Sweden |
| (3) A. Freni | (3) Università degli Studi di Firenze, Italy |
| (4) O. Breinbjerg | (4) Danmarks Tekniske Universitet, Denmark |
| (5) A. Räisänen | (5) Helsinki University of Technology, Finland, |
| (6) J-M. Laheurte | (6) Université de Marnes La Vallée, France, |
| (7) K. Mahdjoubi | (7) Institut National des Sciences Appliquées de Rennes, France |
| (8) F. Frezza | (8) Università degli Studi di Roma "La Sapienza", Italy, |
| (9) G. Vecchi | (9) Politecnico di Torino, Italy, |
| (10) L. Jofre | (10) Universitat Politècnica de Catalunya, Spain, |
| (11) M. Sierra Perez | (11) Universidad Politécnica de Madrid, Spain, |
| (12) M. Ferrando | (12) Universidad Politécnica de Valencia, Spain, |
| (13) P. S. Kildal | (13) Chalmers University of Technology, Sweden, |
| (14) A. Skrivervik | (14) École Polytechnique Fédérale de Lausanne, Switzerland, |
| (15) G. Gerini | (15) TNO, The Netherlands, |
| (16) J. L. Dubard | (16) Université de Nice Sophia Antipolis, France, |
| (17) B. Casali | (17) Ingegneria dei Sistemi, Italy, |
| (18) D. Manteuffel | (18) IMST GmbH, Germany, |
| (19) O. Bucci | (19) Università degli Studi di Napoli "Federico II", Italy |
| (20) W. Wiesbeck | (20) University of Karlsruhe, Germany, |
| (21) M. Mazanek | (21) Czech Technical University, Czech Republic, |
| (22) Z. Sipus | (22) University of Zagreb, Croatia |
| (23) P. Hall | (23) University of Birmingham, United Kingdom, |
| (24) C. Ibars | (24) Centre Tecnològic de Telecomunicacions de Catalunya, Spain. |



2005-2006-2007 **2007-2008-2009**



Type of support



ESoA expenses for mobility
and organization
are eligible ACE cost

Maximum 4 Grants per course
of about 1000 € each

**Around 120 Students have been
Granted in the triemnium**

Cover a fraction of the organization
expenses and the mobility of a certain
number of student (5 per course)

**Around 100 students will be
reimbursed till the end of 2008**

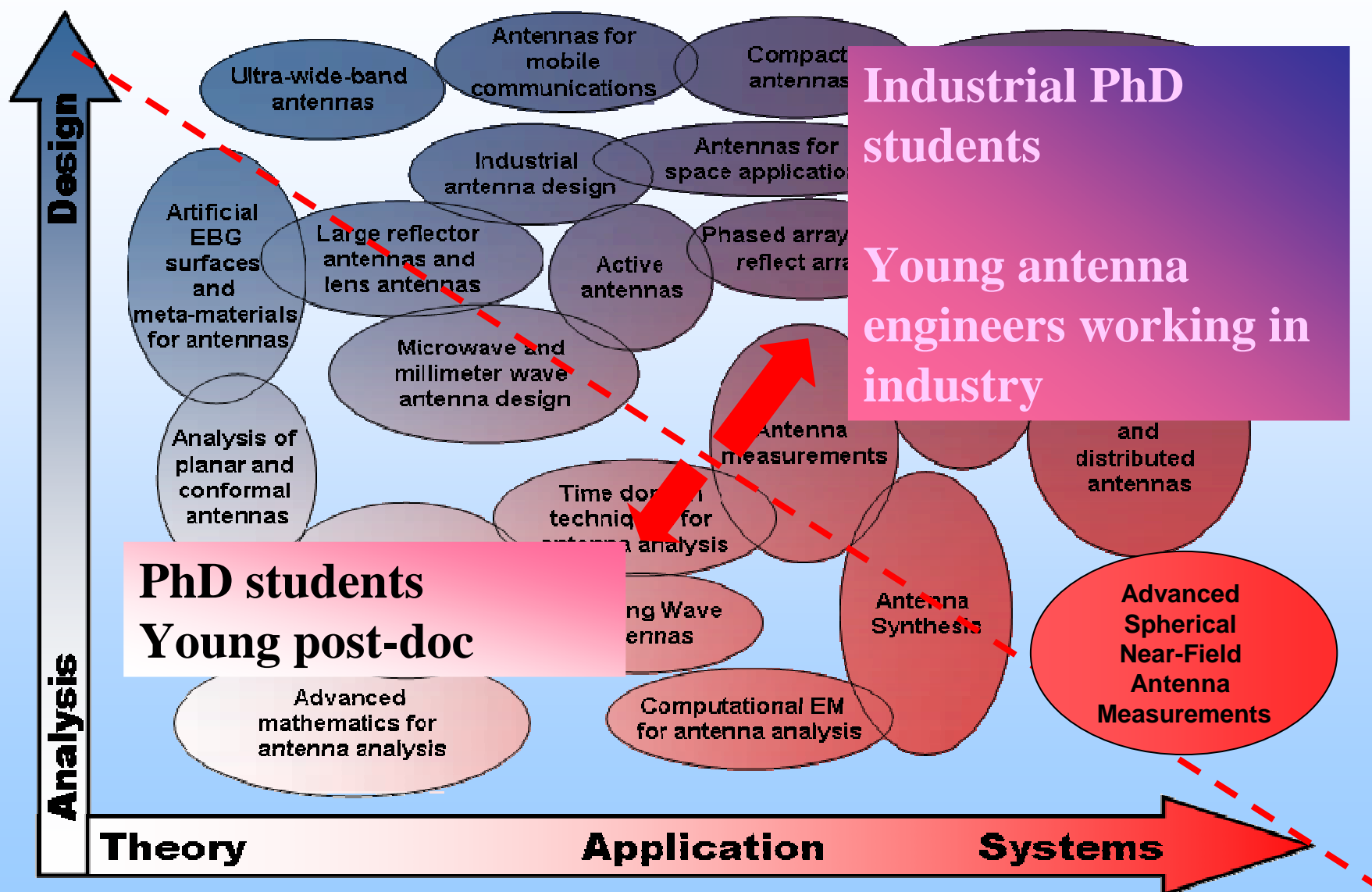
The 24 ESoA institutions have signed a Memorandum of Understanding

- ☐ improve the European excellence on Antenna R&D;
- ☐ state the “excellence of teaching” as a fundamental principle;
- ☐ complete the individual doctoral curricula of students working in contiguous fields;
- ☐ offering to European student interaction with excellent trainers;
- ☐ increase the link between European Universities and Industries in antenna R&D;
- ☐ facilitate the interchange of ideas among early stage researchers and teachers, to increase the future mobility and synergy;
- ☐ extend and encourage the participation to ESoA to Parties that are not contractors of MCA;
- ☐ lay down the basis to prolong the ESoA activity even beyond MCA;
- ☐ establish common rules for the attribution and recognition of Doctorate credits;

							
S. Maci UNISI	B. Lindmark KTH	A. Freni UNIFI	L. Jofre UPC	F. Frezza SAPIENZA	Z. Sipus UNIZAG	D. Manteuffel IMST	G. Vecchi POLITO
							
C. Mangenot ESA-ESTEC	O. Bucci UNINA	W. Wiesbeck UNIKARL	P-S. Kildal CHALMERS	K. Mahdjoubi IETR	P. Hall UNIBHAM	M. Ferrando UPV	A. Räisänen TKK
							
J.L. Dubard UNSA	M. Sierra-Perez UPM	M. Mazanek CTU	J-M. Laheurte UMLV	C. Ibarr CTTC	A. Skrivervik EPFL	O. Breinbjerg DTU	G. Gerini TNO

The ESoA board meet four times per year

Discussed themes: educational strategy, management of the school, dissemination action, budget, critical analysis of the obtained result.



- The courses have the same format and possess common basic rules of examinations and delivery of PhD credits.
- The credits are recognized by the Individual PhD schools of the consortium
- The duration of each course is from Monday to Friday
 - morning: face to face lectures;
 - afternoon: exercise, experimental labs, design projects, students presentations, reading of papers, open discussions, panel sessions)



