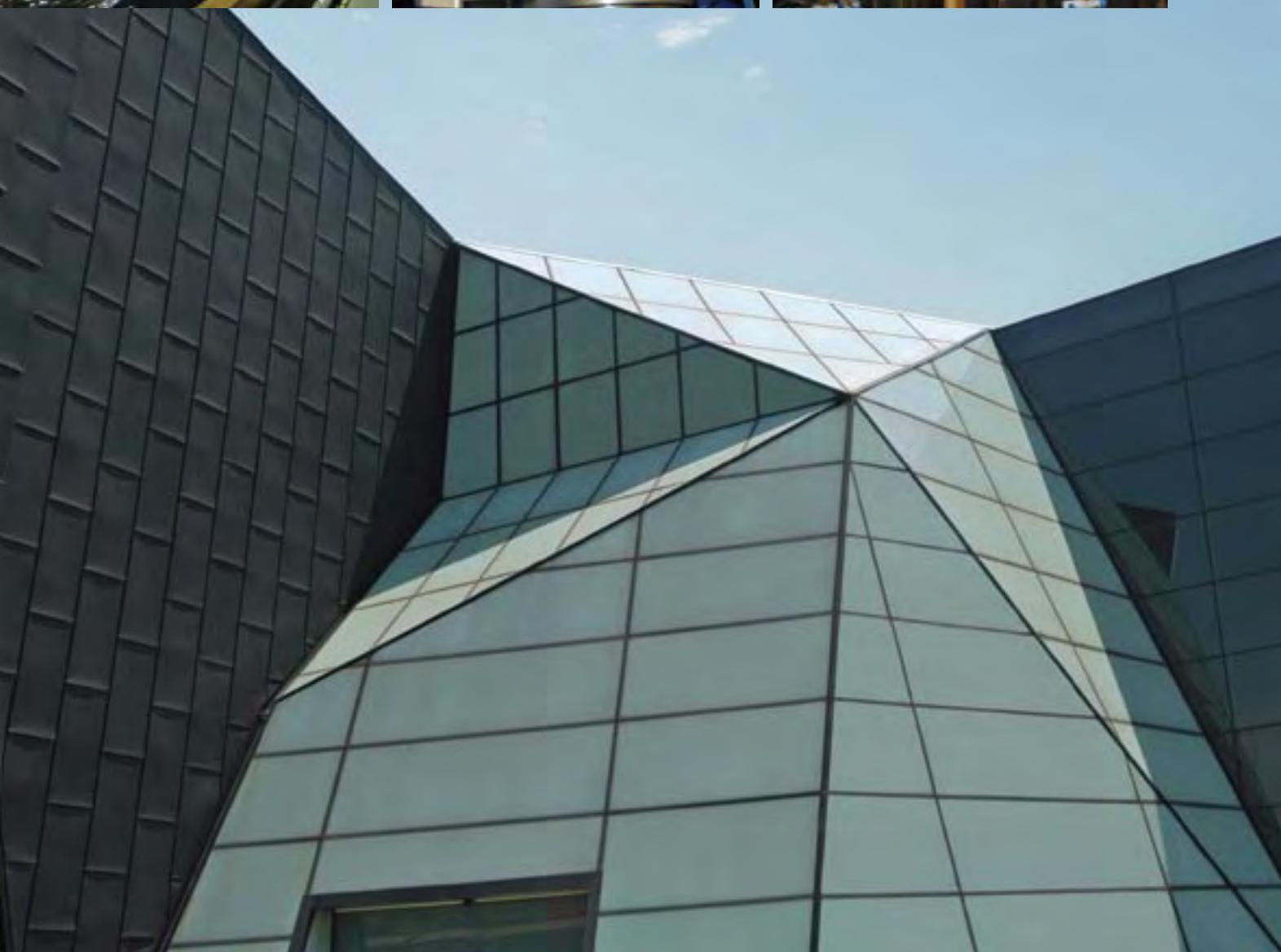
# COPPE
## UFRJ

### The Alberto Luiz Coimbra Institute for Graduate Studies and Research in Engineering



COPPE – THE ALBERTO LUIZ COIMBRA INSTITUTE FOR GRADUATE STUDIES AND RESEARCH IN ENGINEERING –HELPED RENEW BRAZILIAN UNIVERSITIES; THEREBY CONTRIBUTING TO THE COUNTRY'S OVERALL DEVELOPMENT. FOUNDED IN 1963 BY THE ENGINEER ALBERTO LUIZ COIMBRA, THE INSTITUTION MADE IT POSSIBLE TO CREATE GRADUATE COURSES IN BRAZIL.
OVER THE COURSE OF THE LAST FOUR DECADES IT HAS BECOME THE MOST IMPORTANT CENTER FOR ENGINEERING RESEARCH AND EDUCATION IN LATIN AMERICA.

# Coppe
## in Numbers

### Total of Academic Degrees Granted (UNTIL 2010)

**9,418** master's degrees
**3,037** doctoral degrees

### Academic Production (IN 2010)

**344** master's theses
**176** doctoral dissertations


### Interaction with society
(GOVERNMENTS, COMPANIES AND CIVIL SOCIETY)

**12,000** contracts
**1,300** ongoing projects
**94** patent applications filed
**13** software registered

### Human Resources and Infrastructure

**325** faculty members
**2,800** students
**1,600** master's students and **1,200** doctoral students
**350** employees
**12** graduate programs (MASTER'S AND DOCTORAL DEGREES)
**116** laboratories

A Technology-Based Business Incubator

A Technological Incubator of Popular Cooperatives

A High-Performance Computer Center

**Coppe has already awarded more than 12,000 master's and doctoral degrees in its 12 graduate master's and doctoral courses. Presently, the institution has 325 faculty members, 2,800 students and 350 employees. Coppe also has 116 modern laboratories, which together constitute the country's largest engineering laboratory complex.**

**Based on three distinguishing features – academic excellence; full-time faculty members and students, and commitment to society – Coppe has distinguished itself through its work to increase understanding and produce highly qualified professionals and innovative teaching methods; thereby serving as a model for other universities and research institutes across the country.**

## ACADEMIC EXCELLENCE

The academic output reflects the standard of excellence. About 200 doctoral degrees and 300 master's degrees are awarded annually. Coppe researchers publish about 2,000 scientific papers in national and international journals and conferences annually. According to the last Capes

evaluation (the Brazilian Federal Agency for Support and Evaluation of Graduate Courses), in September, 2010, Coppe was Brazil's leading engineering graduate institute with the highest number of courses rated 7, which is equivalent to the performance of the most important and respected research and teaching centers in the world.

## BROADENING ITS HORIZONS

Coppe has a staff and a research infrastructure that are permanently ready to meet the needs of Brazil's economical, technological and social development. As Coppe is always looking to the future, the institution has served as a nation and worldwide model in engineering teaching and research and has helped Brazil face one of its most important challenges in its recent history.

COPPE has joint research projects with various internationally renowned scientific institutions. In addition, some of its faculty members are participating members of international committees, research institutions and multilateral bodies, such as the United Nations' Intergovernmental Panel on Climate Change (IPPC), which was awarded the Nobel Peace Prize in 2007.

In 2008, Coppe expanded its role in the international theater by creating the Brazil-China Center for Climate Change and Innovative Energy Technologies in partnership with Tsinghua University, which is the most prominent


Chinese university in the field of engineering. The Center is headquartered at Beijing's Tsinghua University, where an office is maintained for the coordination of activities and the establishment of contacts with Brazilian and Chinese companies that are potentially interested in technologies to be jointly developed.

# ANTICIPATING THE FUTURE FOR FOUR DECADES

Coppe is characterized by its ability to remain one step ahead of the needs of Brazilian society. Aware of the importance of technology and science for the development of the country, Coppe has established the Coppetec Foundation in 1970, in order to manage its partnerships and projects. Coppetec Foundation has administered more than 12,000 contracts and partnerships with national and international, private and state-owned companies and governmental and non-governmental agencies. Presently, the Coppetec Foundation manages roughly 1,300 ongoing projects, as well as 94 patent applications and 13 software registered by Coppe.

Coppe and Petrobras, who have shared a partnership for more than 30 years, signed the first major cooperation agreement between the company and a university in 1977. By 1985, there were already 33 fixed platforms in operation in Brazil whose structural design was based on work carried out at Coppe. The Coppe/Petrobras partnership has become a world reference model and has helped develop the technology that gives Brazil the leading position in deepwater oil exploration and production. The country has saved billions of dollars and has achieved self-sufficiency in oil.

As Coppe researchers are capable of anticipating technological solutions and responding to future requests, they are already developing new technologies that will support Petrobras and the Brazilian government in the exploration and production of oil and gas in the pre-salt layers.

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**Graduate Studies and Research in Engineering**

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