

**MEMORANDUM OF UNDERSTANDING FOR COOPERATION  
IN THE AREA OF FOSSIL FUELS  
BETWEEN  
THE U.S. DEPARTMENT OF ENERGY  
NATIONAL ENERGY TECHNOLOGY LABORATORY  
AND  
THE INTERDISCIPLINARY CENTER HERZLIYA**

**I. PURPOSE**

This Memorandum of Understanding (MOU) reflects a mutual interest on the part of the U.S. Department of Energy's National Energy Technology Laboratory (NETL) and the Interdisciplinary Center Herzliya (IDC) to pursue collaborative work to advance the technical, environmental, and cost performance of fossil energy technologies.

**II. AREAS OF COOPERATION**

Cooperative activities may include, but are not limited to, research on base and enabling technologies and assessments of technology options and economics. Cooperative topics may include:

- a. Carbon management and technology
- b. Water resource stewardship in power production
- c. Alternative fuels development
- d. Development of hydrogen energy and fuel cells
- e. Innovations to improve power grid efficiency and reliability
- f. Hybrid energy systems using turbines
- g. Advanced materials for energy systems

Other areas of cooperation may be added by mutual written agreement of each Party's Lead Coordinator.

**III. FORMS OF COOPERATION**

Specific cooperative projects will be defined in supplemental agreements between the Parties. Cooperation may include:

- a. Exchange of information, publications, reports, technical data, samples, materials, and instruments.
- b. Exchange of scientists, engineers and other specialists for participation in training, project definition activities, research, and technology transfer. Each Party agrees to abide by the other's safety and security requirements.
- c. Jointly funded research and development activities in which NETL and IDC share the cost of performance.

## V. LEAD COORDINATOR

Each Party shall designate a Lead Coordinator who shall serve as that Party's principle representative for activities under this MOU.

## VI. FINANCIAL COMMITMENTS

NETL's commitments in furtherance of this MOU are contingent on the availability of funds appropriated by the Congress of the United States. IDC's commitments in furtherance of this MOU are contingent on the availability of funds to pursue collaborative activities. Unless otherwise agreed by the Parties, each Party shall be responsible for its own costs incurred in furtherance of this MOU.

## VII. INTELLECTUAL PROPERTY

Each Party will retain rights to its own background intellectual property. The allocation of rights to newly generated intellectual property will be determined on a project by project basis.

## VIII. EFFECTIVE DATE, AMENDMENT AND TERMINATION

This MOU is effective upon the date of the last signature by the Parties and shall remain effective for a 5-year period unless terminated in accordance with the terms set forth herein. The MOU may be modified by mutual consent of the Parties.

Either Party may terminate this MOU by providing written notice to the other Party at least 90 calendar days in advance.

## SIGNATORIES



Mr. Carl O. Bauer  
Director  
National Energy Technology Laboratory

May 6, 2008  
Date



Professor Uriel Reichman  
President  
Interdisciplinary Center Herzliya

May 6, 2008  
Date

