



Sustainable Energy International Youth Competition and Conference

The Eilat-Eilat Renewable Energy Initiative in Israel and the Eilat campus of Ben-Gurion University are launching the second international Sustainable Energy Youth Conference and competition, This time the main focus is on creative solutions and technology for conserving energy and saving electricity by raising their efficiency.

The aim of this competition is to encourage the current young generation to consider the energy usage issue and come up with fresh new ideas. We believe that the entrepreneurial spirit of this generation is a rich human resource for the future. They will surely have a substantial contribution in the fields of research and practical implementation of renewable energy and energy efficiency.

Our quality of life and lifestyles are dependent in great part upon the availability of energy sources. Annual energy consumption around the world is great, and is expected to continue to rise due to population growth and the growing demand for energy, particularly in developing countries. As a result, sources of available energy have now begun to dwindle (oil, natural gas, coal); this process will increase in the future, as will environmental pollution. We have already begun to pay the price of air pollution and global warming due to the way that energy consumption and creation has been handled.

At the December 2009 Copenhagen conference the countries of the world came to understand that a new "reduced-carbon economy" has to be created. The question on all lips was how to reach this target while still maintaining worldwide equilibrium regarding the cessation of global warming and reducing air pollution, while at the same time properly developing all of the settled areas and striving towards equal rights and opportunities for all of the peoples of the world.

This year the competition will be held as part of the second international Youth Conference which will take place on November 24-28, 2012, just prior to the fifth international Renewable Energy Conference which will be held in Eilat (as noted, the conference will be international, with participation by students from Israel and abroad).

The five day program will all be held in English

This year the theme of the competition will be: energy efficiency

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www.eilatenergy.org | www.renewable-energy-eilat.org



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:Competition timetable

A End of January – recommendation of a contender by the local NYEX organization

i. Candidates should have:

- 1. Age: 17-18**
- 2. English proficiency: Fluent in both speaking and writing**
- 3. Highly interested in local and/or global sustainable energy issues**
- 4. Academic excellence**

B. End of March – foreign student application for candidacy through Network for youth .excellence. The process includes online application forms

.C. Approval by the "Sustainable Energy Competition and Conference" committee

D. May - June – participants will be given a list of topics associated with the main subject of the competition: **Energy efficiency**.

Each participant will choose three preferred topics from the list and rank them according to the level of her or his interest. All participants will be sorted into international teams according to their choice of topics.

E. July - November – teams will be working together online to prepare for the international .youth conference

- The conference will be held on November 24-28, 2012 in the southern Arava. Prior to the conference participants will be divided into teams, which will compete against each other. They will be given tasks associated with higher energy efficiency and will have to work together in order to find creative and innovative solutions. At the end of the conference a panel of judges will choose the winning team.
- On the last day of the youth conference, which will also be the second day of the international Renewable Energy Conference in Eilat, the young people will participate in a festive plenary session to be attended by the President of Israel, at which prizes will be awarded to the winners of the competition.

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Target population group:

10 and 11th grade students (that will be 11 and 12th grade students next year) studying science and/or technology, interested in the field of renewable energy and creative thinking

Expenses

Air fair, local transportation, full board accommodation and conference tuition are all paid by the sustainable Energy Conference organizers.

Prizes:

The first three teams will win certificates and monetary prizes.
All of the participants will receive participation certificates.

Additional information on the conference and competition can be found on the international Renewable Energy Conference's official site:

www.sustainergy.org.il

Sincerely,

Naama Aloni, International Youth Competition and Conference Coordinator
Eilat-Eilat Renewable Energy Administration

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