IPRO 311 IIT Sustainable Branding



Final Presentation | Spring 2009

Introduction



The Problem:

Letter "D" grade on the College Sustainability Report Card

Lack of awareness of previous student contributions

Introduction



Objective:

To enhance the Illinois Institute of Technology's image as an institution and make the campus more sustainable through the use of green technologies and efficient use of resources

To bring about awareness of IIT's commitment to sustainability throughout time and the important historical contributions of those affiliated with the university

Team Structure



Faculty Support: Nancy Hamill Governale, Rae Mindock, Ray DeBoth

Recapturing IIT's History:

Purpose:

To find important contributions from IIT throughout the years

Tech News Collections

IIT Receives \$44,000 NASA Grant For Study of Behavior of Liquid Fuels

Greener Bog?

I have been reading Technology News regularly like any good little Tec- Torda, the prinhawk. In the April 18 issue I noticed or on the project, an editorial wishing for a "green" bog, of mechanical and Even my short residence at Technol- neering. He said ogy Center has been long enough to nable him to conteach me that things don't change of liquid propel-

quickly here. I can not say, however, pressure and high that three weeks is such a short time. nvironments. The Even red tape has to give way some-time; that is, if anyone is bothering to try to remove the long scarlet strands one study. Dr. Torda said, in that seem to prevent action.

I realize, also, that we are in the cen-I realize, also, that we are in the cen-ter of a city, and "grass just can't hardly give be found nowhere in a city!" I under-stand that when we look upon the blight continue to work in the center of our "campus" we are alcohol, kerosene, supposed to dream of the new building vpes of hydrocar-to be placed there in the "near future" their experimentajust as a good many people have been to properly isolate dreaming for a long time. I simply ask, Dr. Torda and his how much longer? Is the expense of ants have built a the grass so great as to explain the long bers to cover varitime it is to take for this open wound to pressure and temd to carry out the

Explaining the various aspects of the experiment, Dr. Torda stated that the first experimental

Illinois Institute of Technol- chamber utilizes high tempera- Torda said, the researchers will oev has received a \$44,000 grant tures and relatively low pres- build a wind tunnel where they from the National Aeronautics sures. A second chamber is will be able to circulate gases and Space Administration equipped for 1000s temperatures heated to 1,000s with a pressure grant will enable and pressure up to 500 psi, while of up to 1,000 psi and investicontinue their in- the third chamber allows experi- gate the behavior of injected the behavior of

simulated rocket 1,000 psi. fect, a "no Under the new grant, Dr. cuit rocket

ments with up to 12,000° and drops of cold liquid fuel-in effect, a "non-burning, closed cir-





annual power conference

Il Is Put

Solar Architect Harnesses Sun As Winter Fuel, Study Finds

That the world's oldest heating unit-the sun-way be harmoned successfully in the post-war hubbling orn to merce us the newest auxiliary pource of winter wurnth, and thereby reduce fuel bills, was indicated in the results of a study of a "solar home" made public last week by Dean J. C. Peebles and William C. Knopf, Jr.

The report consisted of the findmes of a year's study made by Dean Peebles and Knepf, a graduate fellow who supervised the project, in epoperation with the Linky-Owens Ford Glass Company, It brought out that the rays of the sun, filtering through multiple-glaxed windows which nandwich a penied-in, dehydiated air space between panes to form a type of glads known as they propane-supplied enough heat, even in sub-zero temperatures, to make it unnecessary to use the heating plant during daylight hours.

The net cost of heating the "solar house" was reduced approximately one-third by wislixing the rays of the sun, the report revealed,

As an example, a chart in the rebort extel one Junuary day when the outside temperature ranged from 6 degrees below to 17 degrees below sero. Sun entering the living room gutomatically shot off the forence at 8:30 n.m. The interior temperature

during the day ranged above 80 desgrees, at times necessitating the opening of windows despite the factthat the ference was not in militation from 8:30 a.m. to 8:30 p.m.

The studies were made in the home of Mr. and Mrs. Hugh C. Duncan of Homewood, Ill. The home, one of several designed by srehitset George Pred Reck, a pioneer in modorn solar design, was selected because it represents the so-called "nopular price" bracket of \$10,000 or love, having been built for \$5,000.

The house, which architecte believe may be a forerumor of an intportant development in home construction, is n one-story single-slope frume structure with fint-pitched ronfa over the main body and wings. The roofs are planed so that the lowhanging winter sun penetrates douply into the principal rooms of that house, while in the summer menths the windows are fully shaded.

In addition to being pleased with reduced fuel costs, the Duncana Weire enthusinatic about the increased surilight and the sense of magicusmen resulting from the wide window arrows, reported Death Puebles Thep. stated that at as time during duylight hours was artificial light required in any part of the house, mamatter how remote from the wire-

Recapturing IIT's History:

Press Releases

List of Alumni Names





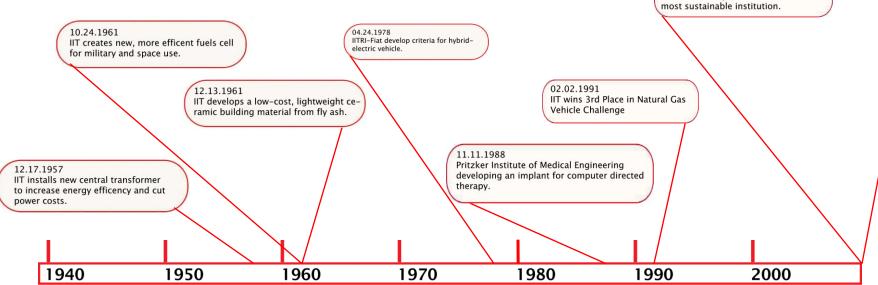
	A	В	C
35420		Douglas	Palandech, Douglas
35421	Palandech	George	Palandech, George
	Palani	Senthil	Palani, Senthil
	Palaniappan	Ramanathan	Palaniappan, Ramanathan
	Palaniswami	Shanthakumar	Palaniswami, Shanthakumar
35425	Palanyk	Terence	Palanyk, Terence
35426	Palaro	Eric	Palaro, Eric
35427	Palasz	Robert	Palasz, Robert
35428	Palatinus	John	Palatinus, John
	Palatinus	Joseph	Palatinus, Joseph
35430	Palcowski	Richard	Palcowski, Richard
35431	Paldan	David	Paldan, David
35432	Palecha	Nitin	Palecha, Nitin
35433	Palella	Joseph	Palella, Joseph
35434	Palen	Matthew	Palen, Matthew
35435	Palen	Roberta	Palen, Roberta
35436	Paler-Amaya	Catherine	Paler-Amaya, Catherine
35437	Palermo	Mario	Palermo, Mario
35438	Palermo	Ronald	Palermo, Ronald
35439	Palesh	Cheryl	Palesh, Cheryl
35440	Paletta	Eleanor	Paletta, Eleanor
	Palfenier	Michelle	Palfenier, Michelle
	Palffy	Fred	Palify, Fred
	Palikevicius	Sarunas	Palikevicius, Sarunas
35444	Palivos	George	Palivos, George
35445	Palivos	Peter	Palivos, Peter
	Paliwal	Vishalini	Paliwal, Vishalini
	Paliwala	Mazhar	Paliwala, Mazhar
35448		Chakrabarti	Palki, Chakrabarti
	Palko	Joseph	Palko, Joseph
	Palkovich	David	Palkovich, David
35451	Palla	Nagaraju	Palla, Nagaraju
35452	1 3013	Ramesh	Palla, Ramesh
	Palladino	Nicholas	Palladino, Nicholas
	Palladino	Roseann	
	Pallandt		Palladino, Roseann
35456		Cyrano John	Pallandt, Cyrano Pallasch, John
35457	Pallasen	Matthew	Pallasen, John Pallaver, Matthew
	to the contract of the contrac	100000000000000000000000000000000000000	
35458		Suresh	Palle, Suresh
	Paller Pallesen	Harry	Paller, Harry
		Lynne	Pallesen, Lynne
	Pallme	Edward	Pallme, Edward
35462		George	Pallot, George
	Palma	Francis	Palma, Francis
	Palma	Jennifer	Palma, Jennifer
	Palma	Vladimir	Palma, Vladimir
	Palmberg	Terry	Palmberg, Terry
	Palmer	Aaron	Palmer, Aaron
35468	Palmer	Allyson	Palmer, Allyson
35469		Annelie	Palmer, Annelie
	Palmer	David	Palmer, David
35471	Palmer	David	Palmer, David
	Palmer	Douglas	Palmer, Douglas
	Palmer	Dwight	Palmer, Dwight
35474	Palmer	Edward	Palmer, Edward
	Palmer	Gregory	Palmer, Gregory
	Palmer	Guillermo	Palmer, Guillermo
	Palmer	Jared	Palmer, Jared
35478	Palmer	Jason	Palmer, Jason
35479	Palmer	Percy	Palmer, Percy
35480	Palmer	Roy	Palmer, Roy
35481	Palmer	Sherry	Palmer, Sherry
35482	Palmer	Tammy	Palmer, Tammy
35483	Palmisano	Anthony	Palmisano, Anthony
	Palmisano	Christopher	Palmisano, Christopher

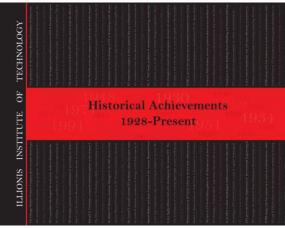


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IIT announces plan to becom enation's

Recapturing IIT's History:





Chicago CCGT Exhibition:

Purpose:

To expand knowledge of IIT's accomplishments to the greater city and establish

Display an explanation of IIT's student driven efforts, IPROs, and the IPRO program on CCGT grounds





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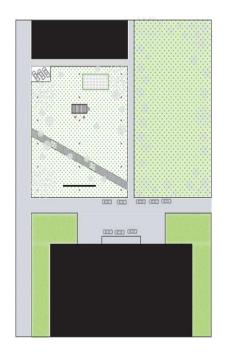


Expected display date: May – June 2009

Sustainability Park

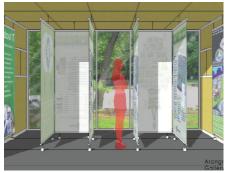
Purpose:

To create a highly visible area on campus where students and visitors can learn about sustainable solutions and related IIT developments





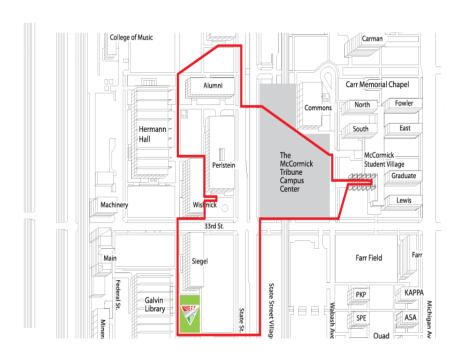






Sustainability Park

Placed on the campus tour, the park would be visible to all campus visitors, including visiting and prospective students



On-site examples of sustainable products including green roofs and permeable paving

An exhibition space to give students a hands-on learning environment





Sustainability Park

Off-grid exhibition space allowing students to learn about new developments at IIT

Encourage future research and student-based experimentation



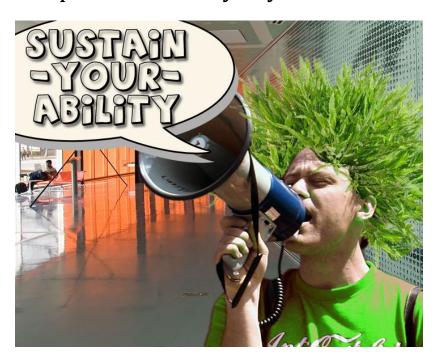


Will improve the site atmosphere and create a much needed student relaxation space in a comfortable atmosphere

Sustain-Your-Ability

Purpose:

To present sustainable solutions to be incorporated in every day life



SUSTAINY OUR ABILITY



SUSTAIN-YOUR-ABILITY



Sustain-Your-Ability

Compilation of Past and Present

Micro Level Sustainability

Macro Level Sustainability

Recommendations

What You Can Do

Campus Master Plan & Sustain-Your-Ability



Experimentation

Permeable Paving:

An experiment to test and determine the porous qualities of different types of permeable paving and their potential applications on campus







Experimentation



Rain Sensors Tests:

With new facilities efforts geared towards

Additional Note: This has opened up a dialogue with the new facilities head Kevin Gallagher

Additional Accomplishments



CGCT

Contact
Our Sustainability Excursion

Facilities Head Kevin Gallagher

Sustainability Department Joseph Clair

Campus Master Plan Master Plan & Sustain-Your-Ability

Conclusion



Challenges & Obstacles

Difficulties gathering information from the IIT archives

Effectively & creatively presenting information

Communication with outside sources

Length of the semester

The Team



- Alejandro Aguilar

 4rd Year Architectural Engineering
- Oladipo Animashaun 4th Year Architecture
- Mark Chauhan
 4th Year Mechanical Engineering
- Seth Ellsworth
 4th Year Architecture
- Crystal Glover
 4th Year Architecture
- Kevin Krupp
 4th Year Architecture

- Nim Patel
 3rd Year Biology
- Colin Sheer
 3rd Year Humanities
- Nader Tadros
 4th Year Architecture
- Nancy Hamill Governale
 Advisor
- Ray DeBoth Assistant
- Rae Mindock
 Assistant

Thank You



Questions?

