

Study Abroad Projects

2018

1. Creating a New Low Cost Assistive Device for Use with Computers
Henry Jennings
Universidad de Burgos / Burgos, Spain
2. Use of Waste Geothermal Energy for Garden Heating and Thermoelectric Generation in Iceland
Seung Won (Sally) Na
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
3. 3 Transistor Gain-Cell Memory
Bezalel Pittinsky
Bar Ilan University / Ramat-Gan, Israel
4. Heated Gardens and Steam Heat
Daniel Abes
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
5. Harvesting of Waste Geothermal Energy for Optimized Crop Yields and Thermoelectric Generation
Jeahoung (David) Hong
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
6. Use of Software Data Structures for the Design of Hardware Circuits
Benjamin M. Kaplan
Bar Ilan University / Ramat-Gan, Israel
7. Harvesting Steam Heat for Crop Growth
Jabin Pu
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland

2017

1. Models on a Hydro Plant's Year Behavior
Yuqian Wang
Universidad Pontificia Comillas / Madrid, Spain
2. Vehicle Curvature Measurement, Error Analysis and Visualization for BMW i3
Liushifeng Chen
Technische Universitat -Dresden
3. Heated Garden and Thermal Electrically Powered IP Camera in Iceland
Diyi Liu
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
4. Geothermally-Powered Webcam and Heated Garden
Christopher E
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
5. Open Field Heating and Thermoelectrically Powered Monitoring System Using Waste Geothermal Steam in Iceland
Daniel Feyman
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
6. Applying Geothermal Energy in Heated Gardens
Jing Jin
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
7. An Investigation of the Effect of Soil Temperature on Plant Growth in Hveragerdi, Iceland
Alinur Rahim
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
8. The Study of Heated Gardens in Hveragerdi, Iceland
James Ngai
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland

9. Curvature Sensor Data Fusion from CAN Bus in ROS Environment

Yifei Shao

HTW Dresden / Dresden, Germany

10. Plant Growth in Heated Vs. Unheated Gardens / Thermoelectric Powered Surveillance System

Justin Jose

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland

11. Outdoor Heated Gardens in Iceland: A Report on Methodologies and Improvements

Sanjeev Menon

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland

2016

1. Use of TiO₂ Photocatalysis to Degrade Industrial Textile Dyes from Wastewater
Yen-Chia Feng
TU Dresden / Dresden, Germany
2. Waste Heat as a Resource: Using Waste Heat to Aid Plant Growth and to Generate Electricity Using a Thermoelectric Generator
Chengyin Jiang
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
3. Characteristics of TiO₂ Photocatalyst Under Varying UV Light and its Application on Different Colored Dyes
Sun Eui Kim
TU Dresden / Dresden, Germany
4. Using Matlab for approximate numerical solutions
Jean Lam
Universidad Pontificia Comillas / Madrid, Spain ____
5. Reverse Engineering Aftermarket Sensors with MATLAB and Arduinos
Anish Malladi
Karlsruhe University of Applied Sciences, Germany
6. Mobile Snow Hardness Sensor
Soyoung Moon
Karlsruhe University of Applied Sciences, Germany
7. Electric Vehicle Infrastructure, Market Opinion, and Business Models
Benjamin Park
Universidad Pontificia Comillas / Madrid, Spain
8. Mathematical Analysis of Alternative Distribution for the Spanish Electoral System
Yueqi (Helena) Zhu
Universidad Pontificia Comillas / Madrid, Spain

9. Two Projects Reapplying Wasted Heat in Iceland: Heated Garden Revitalization & Thermoelectric Generator
Hou Chong Chan, Wei Tin
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

2015

1. Influence of Oxidation and Silanization of Multiwall Carbon Nanotubes on Dispersive and Mechanical Properties
Peter Wang
Universidad Pontificia Comillas / Madrid, Spain
2. Growing Commonly Eaten Plants in Iceland Using Geothermal Waste Energy
Romaniya Voloshchuk
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
3. Plug In Electric Vehicle Infrastructure in the United States
Sohan S. Mone
Universidad Pontificia Comillas / Madrid, Spain
4. Functionalization of Multi-walled Carbon Nanotubes (MWCNTs) by Oxidation and Silanization
Lee Lopez
Universidad Pontificia Comillas / Madrid, Spain
5. The Use of Geothermal Heat in Agriculture and Voltage Generation in Iceland
Ashish Pokharel
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
6. Verifying the Efficacy of Geothermal Waste Water Reclamation Systems
Harrison Milne
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

7. Plug In Electric Vehicles in the United States
John DiBattista
Universidad Pontificia Comillas / Madrid, Spain
8. Geothermal Sustainability: Growing Plants Where Plants Cannot be Grown Using Waste Heat
Jordan Selig
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
9. Thermoelectric Generation and Heated Gardens
Matthew Cavallaro
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
10. Growth and Development of Plants in Hvergerdi and Keilir's Heated Gardens
Monica Chen
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
11. Optimization of Thermoelectric Generator and Heated Gardens in Iceland Using Geothermal Energy from Waste Hot Water and Steam Condensate
Tae Kyoung Lee
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
12. Study of 3D Heat Transfer in Porous Materials
Yeeho Song
TU Dresden / Dresden, Germany
13. Heated Garden Using Geothermal Waste Energy
Yueyue Li
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

2014

1. PV Monitoring System Research and Analysis of the Gathered Data
Harry Kim
TU Dresden / Dresden, Germany
2. Effect of Plasma Treatment on Surface Roughness
Andrew Wentzel
Universidad Pontificia Comillas / Madrid, Spain
3. Electrical and Thermal Conductivity of Various Nanocomposites
Gavin Kaplan
Universidad Pontificia Comillas / Madrid, Spain
4. The Effects of Heated Garden Beds on Plant Growth
Aman Grewal
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
5. Optimization of Heated Gardens in Hveragerdi
Ben Greenberg
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
6. Use of Photocatalysts to Degrade Antibiotics from Wastewater
Jacqueline Le
TU Dresden / Dresden, Germany
7. Enhanced Wavelet Trees for Huffman Encoding
Josh Herzberg
Bar Ilan University / Ramat-Gan, Israel
8. A Supervised Method to Estimate the Number of Authors in a Multi-Author Document
Caleb Leibowitz
Bar Ilan University / Ramat-Gan, Israel
9. Optimization of Geothermal Heated Gardens and the Effect of Soil Types on Plant Growth
Jianqin Wang

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

10. Effects of Geothermal Heating and Soil Types on Plant Growth

Tina Elias

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

11. Waste Geothermal Hot Water for Enhanced Outdoor Agricultural Production in Iceland

Gisel Orizondo

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

12. Algorithms for message routing in wireless ad-hoc networks.

Noah Santacruz

Bar Ilan University / Ramat-Gan, Israel

13. Reducing Agricultural Costs Using Geothermal Energy

Karan Singh Gill

Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

14. High Speed Obstacle Avoidance of an Autonomous Micro Aerial Vehicle

Eli Friedman

Bar Ilan University / Ramat-Gan, Israel