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
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 Universität-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

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

    Sanjeev Menon  
    Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
1. Use of TiO$_2$ 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 TiO$_2$ 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

   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

   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

    Yeeho Song  
    TU Dresden / Dresden, Germany

    Yueyue Li  
    Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland  
    Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland
PV Monitoring System Research and Analysis of the Gathered Data
Harry Kim
TU Dresden / Dresden, Germany

Effect of Plasma Treatment on Surface Roughness
Andrew Wentzel
Universidad Pontificia Comillas / Madrid, Spain

Electrical and Thermal Conductivity of Various Nanocomposites
Gavin Kaplan
Universidad Pontificia Comillas / Madrid, Spain

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

Optimization of Heated Gardens in Hveragerdi
Ben Greenberg
Agricultural University of Iceland; Prof. Dell / Hveragerdi, Iceland
Keilir Institute of Technology; Prof. Dell / Keflavik, Iceland

Use of photocatalysts to degrade antibiotics from wastewater
Jacqueline Le
TU Dresden / Dresden, Germany

Enhanced Wavelet Trees for Huffman Encoding
Josh Herzberg
Bar Ilan University / Ramat-Gan, Israel

A supervised method to estimate the number of authors in a multi-author document
Caleb Leibowitz
Bar Ilan University / Ramat-Gan, Israel

Optimization of geothermal heated gardens and the effect of soil types on plant growth
Jianqin Wang
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

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

    Noah Santacruz
    Bar Ilan University / Ramat-Gan, Israel

    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