



# ALUMNI

**Updated: 17 August 2015**

I see one of our largest successes as the quality of the human resources our group produces through our alumni. These human resources will continue to make contributions to society far into the future both through their work and through the other people that they develop, mentor and collaborate with. Defining "Alumni" for our group is difficult, as I have worked informally and co-authored papers with graduate students for whom I am not their adviser, and worked informally with many undergraduate students. To draw a sharp boundary, I am only including graduate students who graduated with me as an adviser and undergraduate students who have kept in touch with me after graduating and I am not advising as a graduate student.

Derek Baker

## 2015 Graduates

### Mine KAYA



**Degree:** METU ME MSc, 2015

**Thesis Title:** Numerical comparison and sizing of sensible and latent thermal energy storage for compressed air energy storage

**Supervisor:** Assoc. Prof. Dr. İker TARI

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Mine entered the PhD program at The University of New Orleans.

### Onur ÖZKAN



**Degree:** METU ME MSc, 2015

**Thesis Title:** Design and modeling of a novel rectifier with ceramic hollow fiber membrane contactor for miniaturized absorption cooling devices

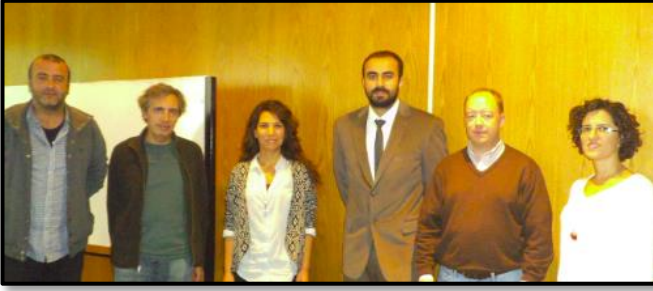
**Supervisor:** Assoc. Prof. Dr. Almıla Güvenç YAZICIOĞLU

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Onur entered the PhD program at The University of Texas-Austin.

## 2014 Graduates

### Tufan AKBA



**Degree:** METU ME MSc, 2014

**Thesis Title:** Modelling, transient simulation and parametric study of parabolic trough collector with thermal energy storage.

**Supervisor:** Assoc. Prof. Dr. Almıla Güvenç YAZICIOĞLU

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Tufan continued his job at Aselsan.

### Nima BONYADI



**Degree:** METU ME MSc, 2014

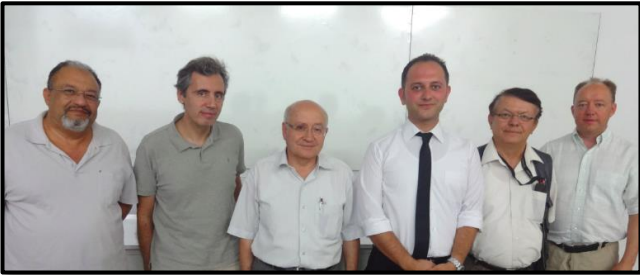
**Thesis Title:** Theoretical and experimental investigation on characteristics of adsorption cooling systems using advanced porous materials.

**Supervisor:** Assoc. Prof. Dr. Cemil YAMALI

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Nima entered the PhD program at METU.

### Arash KARSHENASS



**Degree:** METU ME MSc, 2014

**Thesis Title:** Modelling and transient analysis of a hybrid liquid desiccant cooling system.

**Supervisor:** Assoc. Prof. Dr. Cemil YAMALI

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Arash entered the PhD program at METU.

### Arsalan TARIQ



**Degree:** METU NCC SEES MSc, 2014

**Thesis Title:** Methodology to size large scale solar PV installations for institutions with unidirectional metering.

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Arsalan continued as a Teaching Assistant at METU NCC.

### Koray TAŞTANKAYA



**Degree:** METU ME MSc, 2014

**Thesis Title:** Development of a methodology for sizing and assessment of wind integrated advanced adiabatic compressed air energy storage system.

**Supervisor:** Assoc. Prof. Dr. İker TARI

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Koray continued his job at Aselsan.

## 2013 Graduates

### Mesru ALTINOZ



**Degree:** METU ME MSc, 2013

**Thesis Title:** Experimental Investigation of Heat Transfer Characteristics in Micro-Channels

**Supervisor:** Assoc. Prof. Dr. Almıla YAZICIOĞLU

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Mesru entered the Turkish Airlines Pilot Training Program.

### Erdem Emre PINAR



**Degree:** METU ME MSc, 2013

**Thesis Title:** Energy Optimal Path Planning of an Unmanned Solar Powered Aircraft

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Co-Supervisor:** Assoc. Prof. Dr. Eray UZGÖREN, METU NCC

**Note:** After graduating Erdem continued his job at Aselsan.

### Can UÇKUN



**Degree:** METU ME MSc, 2013

**Thesis Title:** Modeling and Simulations of Direct Steam Generation in Concentrating Solar Power Plants using Parabolic Trough Collectors

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** After graduating Can began his Turkish military service.

### Berk Can DUVA



**Degree:** METU ME BSc, 2013

**Note:** Berk Can entered the MSc Program at Istanbul Technical University in the Fall 2013.

### Enes GOKKUS



**Degree:** METU ME BSc, 2013

**Note:** Enes entered the MSc Program at the University of Texas-Austin in the Spring 2013.

**Beybin İLHAN**

**Degree:** METU ME BSc, 2013

**Note:** Beybin entered the MSc Program at Bogazici University in the Fall 2013.

**Ahmet MAZACIOĞLU**

**Degree:** METU ME BSc, 2013

**Note:** Ahmet entered the MSc Program at the University of Michigan in the Fall 2013.

**Bahar ÖNER**

**Degree:** METU ME BSc, 2013

**Note:** Bahar entered the MSc Program at Bogazici University in the Fall 2013.

**Efe SUREKLİ**

**Degree:** METU ME BSc, 2013

**Note:** Efe entered the MPhil Program at the University of Cambridge in the Fall 2013.

## 2012 Graduates

### Ahmet CAĞLAR



**Degree:** METU ME PhD, 2012

**Dissertation Title:** Design and Construction of the Adsorbent Bed of a Thermal Wave Adsorption Cooling Cycle

**Supervisor:** Assoc. Prof. Dr. Cemil YAMALI

**Co-Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Note:** Ahmet started as an Assistant Professor at Akdeniz University after graduating.

### Serhat BİLYAZ



**Degree:** METU ME BSc, 2012

**Note:** Mine entered the MSc Program at METU in the Fall 2012.

### Mine KAYA



**Degree:** METU ME BSc, 2012

**Note:** Mine entered the MSc Program at METU in the Fall 2012.

### Can PEHLİVANTÜRK



**Degree:** METU ME BSc, 2012

**Note:** Can entered the MSc Program at the University of Texas-Austin in the Fall 2012.

## 2011 Graduates

### İsmail SOLMUŞ



**Degree:** METU ME PhD, 2011

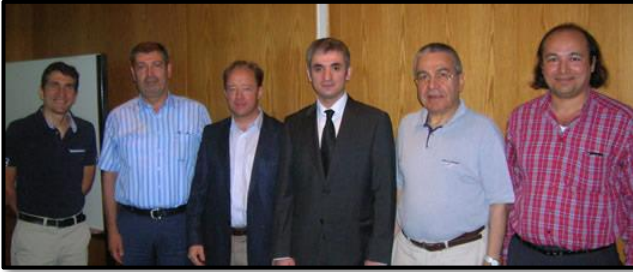
**Thesis Title:** Modeling of heat and mass transfer in porous media and its application to the beds in adsorption cooling cycles.

**Supervisor:** Assoc. Prof. Dr. Cemil Yamalı

**Co-Supervisor:** Prof. Dr. Bilgin KAFTANOĞLU, Atılım University.

**Note:** İsmail started as an Assistant Professor at Atatürk University. Although I was not İsmail's adviser, we co-authored 4-journal articles, and therefore included him.

### Kerem Çepni



**Degree:** METU ME BSc, 2011

**Thesis Title:** A Methodology for Designing Tonpiliz-Type Transducers.

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Co-Supervisor:** Prof. Dr. Çalışkan

**Note:** Kerem entered the PhD program at Loughborough University in the Fall 2011.

### Onur Demirer



**Degree:** METU ME BSc, 2011

**Note:** Onur entered the MSc Program at The University of Texas-Austin in the Fall 2012.

## 2010 Graduates

### Ertan AĞAR



**Degree:** METU ME MSc, 2010

**Thesis Title:** 2-D Modeling of a Proton Exchange Membrane Fuel Cell.

**Supervisor:** Ass't Prof. Dr. Derek BAKER

**Co-Supervisor:** Ass't Prof. Dr. Mehmet SANKIR, TOBB ETU.

**Note:** Ertan started the PhD program at Drexel University in the Spring 2010.

### Onur TAYLAN



**Degree:** METU ME MSc, 2010

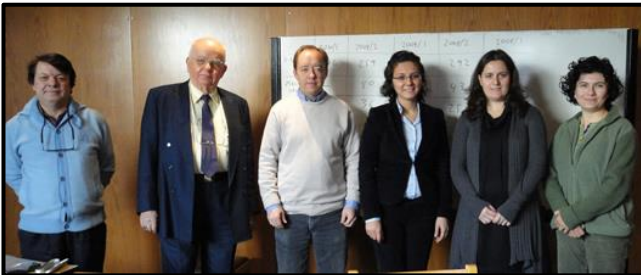
**Thesis Title:** Numerical Modeling and Performance Analysis of Solar-Powered Ideal Adsorption Cooling Systems

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Co-Supervisor:** Prof. Dr. Bilgin KAFTANOĞLU, Atilim University.

**Note:** Onur started the PhD program at The University of Texas-Austin in the Fall 2010.

### Yasemin USTA



**Degree:** METU ME MSc, 2010

**Thesis Title:** Simulations of a large scale solar thermal power plant in Turkey using parabolic trough collectors.

**Supervisor:** Assoc. Prof. Dr. Derek BAKER

**Co-Supervisor:** Prof. Dr. Bilgin KAFTANOĞLU, Atilim University.

**Note:** After graduating Yasemin continued her job at Anıl Asansör Ltd. Şti..



## 2008 Graduates

**Derviş Emre  
DEMIROCAK**



**Degree:** METU ME MSc, 2008

**Thesis Title:** Thermodynamic and Economic Analysis of a Solar Thermal Powered Adsorption Cooling System.

**Supervisor:** Ass't Prof. Dr. Derek BAKER

**Co-Supervisor:** Prof. Dr. Bilgin KAFTANOĞLU, Atılım University.

**Note:** Emre started the PhD program at The University of South Florida in the Fall 2009.

**Tuğer Emre DEMIRCI**



**Degree:** METU ME BSc, 2008

**Note:** After graduating Emre started his career at Roketsan.

## 2006 Graduates

**Murat ATEŞ**



**Degree:** METU ME BSc, 2006

**Note:** Murat entered the MSc program at The University of Texas-Austin in the Fall 2006.