

Ozgur Yildirim

Sr. Engineer/Scientist at Intellectual Ventures
Research

<http://www.directoryinventor.com/profile/view/oEiSXrtU>

Experience

Sr. Staff

Intellectual Ventures

501-1000 employees; Privately Held; Venture Capital & Private Equity
February 2009 - Present

CFD Modeling, physics, thermodynamics etc. applied to nuclear reactor design, various global good initiatives among many other new invention concepts covering a very broad spectrum of topics and physical phenomena.

CFD expert

Intellectual Ventures

501-1000 employees; Privately Held; Venture Capital & Private Equity
February 2009 - Present

CFD analysis for the TerraPower - Travelling Wave LMFBR

R&D Engineer

Hewlett-Packard

Public Company; Information Technology and Services
2001 - February 2009

Led several cross functional integration and R&D teams Developed & facilitated productization of various technologies Worked on various aspects of ink jet printing system physics & hardware system integration including - thermal management of TIJ devices - thermal physics of thin films - micro- and meso-scale fluid mechanics - ink physical chemistry - inkjet printing device system interactions and physics - aerosol physics

Graduate Research Assistant in Chemical Engineering

Purdue University

10,001+ employees; Educational Institution; Higher Education
1996 - 2001

Conducted Ph.D. research Assisted in teaching - Fluid Mechanics - Heat and Mass Transfer - Advanced Reaction Kinetics Mentored and directed several undergraduate researchers

Graduate Teaching Assistant

Cornell University

10,001+ employees; Educational Institution; Higher Education
1995 - 1996

Assisted in teaching food engineering

Graduate Research Assistant in Food Engineering

Orta Dogu Teknik Universitesi - Ankara

Educational Institution; Research
1993 - 1994

Conducted enzyme kinetics research Taught microbiology laboratory

Education

Purdue University

Chemical Engineering
1996 - 2001

Activities and Societies: American Physical Society, Society of Rheology, American Institute of Chemical Engineers

Dissertation on small scale free surface flows with non-Newtonian effects

Cornell University

Food Science and Technology
1994 - 1996

Thesis on extrusion processing of bio-polymers with inline supercritical Carbon Dioxide injection

Orta Do?u Teknik niversitesi

1993 - 1994

Hacettepe niversitesi

Food Engineering
1988 - 1993

Graduation thesis on immobilized enzyme bio-reactors

Patents (14)

System for priming a fluid dispenser by expanding gas bubbles

Ozgur Yildirim, Ralph Stathem
October 21, 2014: 08864296

Heating element

Bradley D Chung, Bhavin Shah, Anthony M Fuller, Ozgur Yildirim, Garrett E Clark

March 27, 2012: 08141986

Heating element

Bradley D Chung, Bhavin Shah, Anthony M Fuller, Ozgur Yildirim, Garrett E Clark
January 4, 2011: 07862156

Heating element

Bradley D Chung, Bhavin Shah, Anthony M Fuller, Ozgur Yildirim, Garrett E Clark
November 23, 2010: 07837886

Systems and Methods of Priming a Fluid Dispenser

Ozgur Yildirim, Ralph Stathem
July 30, 2009: 20090189941-A1

Fluid ejection device (1 worldwide citation)

Elizabeth A Fellner, James Pingel, Matthew David Giere, Satya Prakash, David W Jenkins, James A Feinn, Arun K Agarwal, Julie J Cox, Jules G Moritz, Ozgur Yildirim
April 14, 2009: 07517056

Heating element

Bradley D Chung, Bhavin Shah, Anthony M Fuller, Ozgur Yildirim, Garrett E Clark
January 29, 2009: 20090025634-A1

Heating element

Bradley D Chung, Bhavin Shah, Anthony M Fuller, Ozgur Yildirim, Garrett E Clark
January 29, 2009: 20090027456-A1

Fluid ejection device (5 worldwide citation)

Arun K Agarwal, Julie J Cox, Jules G Moritz, Ozgur Yildirim
October 7, 2008: 07431434

Fluid ejection device

Elizabeth A Fellner, James Pingel, Matthew David Giere, Satya Prakash, David W Jenkins, James A Feinn, Arun Agarwal, Julie J Cox, Jules G Moritz, Ozgur Yildirim
November 30, 2006: 20060268071-A1

[View all \(14\)](#)