A Note from the Assistant Director

I would like to offer heartiest congratulations to you on your selection as the new NSF Engineering CAREER recipients. You have already embarked on journeys of professional success. In the coming years, I know you will help create a wonderful future for our society with bold ideas and creative solutions. With great anticipation, I await your amazing contributions to engineering and the nation. Indeed, they are already happening.

At NSF, our mission is “To promote the progress of science; to advance the national health, prosperity and welfare; and to secure the national defense.” We believe that talented and energetic people are absolutely critical to success in this endeavor. This CAREER award is a signal of our belief in your great potential for pushing the frontiers of knowledge, creating powerful innovations, and educating the next generation of engineers. I encourage and challenge you to reach for the stars in the next five years and beyond, and make the improbable possible.

Dr. Pramod Khargonekar
NSF Assistant Director for Engineering
Amin Arbabian  
Stanford University  
Award 1454107

Drew Hall  
University of California  
San Diego  
Award 1454608

Riccardo Lattanzi  
NYU Medical Center  
Award 1453675

Omeed Momeni  
University of California  
Davis  
Award 1454732

Vishal Monga  
Pennsylvania State University  
Award 1454218

Marvin Onabajo  
Northeastern University  
Award 1451213

Jacques Rudell  
University of Washington  
Award 1454098

Vishal Saxena  
Boise State University  
Award 1454411

Hua Wang  
Georgia Tech  
Award 1454555

Jing Yang  
University of Arkansas  
Award 1454471
Antonio Badolato  
University of Rochester  
Award 1454021

Andrei Faraon  
California Institute of Technology  
Award 1454607

Daniel Feezell  
University of New Mexico  
Award 1454691

Philip Feng  
Case Western Reserve  
Award 1454570

Anthony Hoffman  
University of Notre Dame  
Award 1454076

Juejun Hu  
Massachusetts Institute of Technology  
Award 1453218

Mercedeh Khajavikhan  
University of Central Florida  
Award 1454531

Michelle Knowles  
University of Denver  
Award 1452057

Xiaogan Liang  
University of Michigan  
Ann Arbor  
Award 1452916

Claudia Mewes  
University of Alabama  
Tuscaloosa  
Award 1452670

Fabio Semperlotti  
University of Notre Dame  
Award 1453330

Jing Tang  
Oakland University  
Award 1454552
Looking forward to seeing a lot of these faces on the covers of science and engineering magazines someday.

Samir El-Ghazaly
Stay in touch! Seriously, we want to hear about your accomplishments.

Don Millard
Joel Kaar  
University of Colorado at Boulder  
Award 1454379

Daniel Ludois  
University of Wisconsin Madison  
Award 1452230

Shalabh Maroo  
Syracuse University  
Award 1454450

George Nelson  
University of Alabama in Huntsville  
Award 1454437

Sung Yeul Park  
University of Connecticut  
Award 1454578

Gregory Rieker  
University of Colorado at Boulder  
Award 1454496

Yuriy Roman  
Massachusetts Institute of Technology  
Award 1454299

Cassandra Rutherford  
University of Illinois at Urbana-Champaign  
Award 1454413

Arunkumar Subramanian  
Virginia Commonwealth University  
Award 1453966

Christopher Vermillion  
University of North Carolina at Charlotte  
Award 1453912

Liping Wang  
Arizona State University  
Award 1454698

Miao Yu  
University of South Carolina at Columbia  
Award 1451887
Each researcher here has the potential to shape our future. Together, imagine the possibilities!

Deborah Goodings
HEALTH

Josephine Allen  
University of Florida  
Award 1453098

Turgay Ayer  
Georgia Tech  
Award 1452999

Kartik Balachandran  
University of Arkansas  
Award 1452943

Bahareh Behkam  
Virginia Tech  
Award 1454226

Danielle Benoit  
University of Rochester  
Award 1450987

Bryan Berger  
Lehigh University  
Award 1452855

Iman Borazjani  
SUNY at Buffalo  
Award 1453982

Mark Brynildsen  
Princeton University  
Award 1453325

David Colby  
University of Delaware  
Award 1454508

Filippo Coletti  
University of Minnesota - Twin Cities  
Award 1453538

Eve Donnelly  
Cornell University  
Award 1452852

Xin Ge  
University of California Riverside  
Award 1453645
Fatemeh Hassanipour  
University of Texas at Dallas  
Award 1454334

Jin He  
Florida International University  
Award 1454544

Caryn Heldt  
Michigan Technological University  
Award 1451959

Christine Hendon  
Columbia University  
Award 1454365

Brenton Hoffman  
Duke University  
Award 1454257

Kristopher Kilian  
University of Illinois at Urbana-Champaign  
Award 1454616

Sang Wook Lee  
Catholic University of America  
Award 1452763

Somin Lee  
University of Michigan Ann Arbor  
Award 1454188

Christian Metallo  
University of California, San Diego  
Award 1454425

Kathryn Miller-Jensen  
Yale University  
Award 1454301

Kristin Myers  
Columbia University  
Award 1454412

Shikha Nangia  
Syracuse University  
Award 1453312
I’m thrilled to see the inspiring careers represented in these pages.

JoAnn Lighty
Shideh Dashti  
University of Colorado at Boulder  
Award 1454431

Matthew Eatherton  
Virginia Tech  
Award 1453960

Matthew Eckelman  
Northeastern University  
Award 1454414

Venkata Gadhamshetty  
South Dakota School of Mines and Technology  
Award 1454102

Eric Hernandez  
University of Vermont  
Award 1453502

Michael Lepech  
Stanford University  
Award 1453881

Ali Nejat  
Texas Tech University  
Award 1454650

Tong Qiu  
Pennsylvania State University  
Award 1453103

Jennifer Rice  
University of Florida  
Award 1452911

Ketan Savla  
University of Southern California  
Award 1454729

Pingbo Tang  
Arizona State University  
Award 1454654
MANUFACTURING

Michael Baldea
University of Texas at Austin
Award 1454433

Jeong-Hyun Cho
University of Minnesota - Twin Cities
Award 1454293

Weiwei Deng
University of Central Florida
Award 1454406

Adam Feinberg
Carnegie Mellon University
Award 1454248

Rebecca Kramer
Purdue University
Award 1454284

Arif Malik
Saint Louis University
Award 1454405

Matthew McCarthy
Drexel University
Award 1454407

Manu Prakash
Stanford University
Award 1453190

Gurpreet Singh
Kansas State University
Award 1454151

Murali Sundaram
University of Cincinnati
Award 1454181

Keith Tyo
Northwestern University
Award 1452549
Avinash Dongare  
University of Connecticut  
Award 1454547

Jaafar El-Awady  
Johns Hopkins University  
Award 1454072

Kendra Erk  
Purdue University  
Award 1454360

Bora Gencturk  
University of Houston  
Award 1453757

Stefano Gonella  
University of Minnesota - Twin Cities  
Award 1452488

Douglas Holmes  
Boston University  
Award 1454153

Julian Rimoli  
Georgia Tech  
Award 1454104

Aaron Stebner  
Colorado School of Mines  
Award 1454668

Kay Wille  
University of Connecticut  
Award 1454574

Ning Wu  
Colorado School of Mines  
Award 1454095
This is the class most likely to change the future.

Grace Wang
Amitabh Basu  
Johns Hopkins University  
Award 1452820

Alireza Doostan  
University of Colorado  
at Boulder  
Award 1454601

David Goldberg  
Georgia Tech  
Award 1453929

Srikanth Jagabathula  
New York University  
Award 1454310

Fatma Kılınç-Karzan  
Carnegie Mellon University  
Award 1454548

Xiaopeng Li  
Mississippi State University  
Award 1453949

Nader Motee  
Lehigh University  
Award 1454022

Sebastian Pokutta  
Georgia Tech  
Award 1452463

Yue Wang  
Clemson University  
Award 1454139

Yanchong Karen Zheng  
Massachusetts Institute of Technology  
Award 1452875

Enlu Zhou  
Georgia Tech  
Award 1453934