MSE CELEBRATES 50 YEARS!

1965-1975
Figure 8. Professor Dieter Ast of the Department of Materials Science at Cornell examining a field ion micrograph (showing effectively individual atoms of tungsten) for the presence of a missing atom (vacancy). The magnification in the photograph he is holding is one billion times at his fingertip.
CLASS OF 1966
GEORGE SMITH, DEPARTMENT HEAD, BOTTOM ROW, SECOND FROM LEFT
PROFESSOR STEPHEN SASS
PROFESSOR BORIS BATTERMAN, CLIMBED THE MATTERHORN
PROFESSOR DIETER AST
PROFESSOR STEPHEN SASS
PROFESSOR/ASSOCIATE DEAN FOR UNDERGRADS-
MALCOLM BURTON
PROFESSOR AND DEPARTMENT HEAD, JOHN HOWE
PROFESSOR AND DEPARTMENT HEAD, JOHN HOWE
PROFESSOR JOE JEFFREY-
WE STILL GIVE OUT A JOE JEFFREY PRIZE TO UNDERGRADS
PROFESSOR DAVID SEIDMAN
PROFESSOR AND DEPARTMENT HEAD, WALTER OWEN
ENGINEERING QUAD BEFORE THE CONSTRUCTION OF CNF
BARD HALL
MSE LECTURE
EDWARD BAUSCH, 
GENEROUS DONOR TO MSE
BAUSCH AND LOMB LAB
BARD HALL, SIDEWALK TO COLLEGETOWN TROLLEY BRIDGE
BARD HALL
PROFESSOR JOHN HOWE WITH BAUSCH PICTURE ON THE WALL
MSE CELEBRATES 50 YEARS!

1975-1985
PROFESSOR DIETER AST
PROFESSOR STEPHEN SASS
PROFESSOR ROBERT BALLUFFI
PROFESSOR BORIS BATTERMAN WITH CORNELL SYNCHOTRON
ON THE LEFT: DON BILDERBACK FROM CHESS
AND ON THE RIGHT: BORIS BATTERMAN,
DIRECTOR OF CHESS

[Image of two men, one on the left and one on the right, labeled "Bilderback & Batterman"]

[Logo for Cornell Engineering Materials Science and Engineering]
PROFESSOR BARRY CARTER
ON THE LEFT: GREG GALVIN, ON THE RIGHT: ED WOLF, DIRECTOR OF THE KNIGHT LAB
PROFESSOR DIETER AST
PROFESSOR DIETER AST
PROFESSOR DIETER AST ON THE TEM
PROFESSOR DIETER AST
PROFESSOR JAMES MAYER
FROM LEFT TO RIGHT: GLENN SWAN, STAFF MEMBER AND MAE PROFESSOR TOBIAS DE BOER
PROFESSOR RÜDIGER DIECKMANN
PROFESSOR RÜDIGER DIECKMANN
PROFESSOR AND ASSOCIATE DEAN FOR UNDERGRADUATES, MALCOLM BURTON
PROFESSOR ART RUOFF
FROM LEFT TO RIGHT: YOGESH VOHRA AND PROFESSOR ART RUOFF
ASSOCIATE PROFESSOR DAVID GRUBB
ENGINEERING DEAN, JOHN HOPCROFT, FAMOUS COMPUTER SCIENTIST
PROFESSOR EDWARD HART (ON THE LEFT) AND TAM PROFESSOR HERBERT HUI (ON THE RIGHT)
PROFESSOR DAVID SEIDMAN
ON THE LEFT: STUDENT, DAVID NELSON AND STAFF MEMBER JOHN WANAGEL ON THE RIGHT
ATHENE DONALD, POSTDOC OF PROFESSOR KRAMER
PROFESSOR ROBERT BALLUFFI
ENGINEERING DEAN EVERHART WHO BECAME PRESIDENT OF CALTECH
ON THE LEFT: ENGINEERING DEAN THOMAS EVERHART
PROFESSOR DAVID SEIDMAN
PROFESSOR DAVID SEIDMAN
PROFESSOR ART RUOFF AND REID COOPER TO PROFESSOR RUOFF’S LEFT
WARD LAB, KIMBALL HALL AND UPSON HALL

Ward Lab, Kimball & Upson

Cornell Engineering
Materials Science and Engineering
ROCK GARDEN IN FRONT OF KIMBALL/PHILLIPS
ENGINEERING QUAD
BARD HALL, THURSTON HALL, AND KIMBALL HALL
ENGINEERING QUAD EVENT
BARD HALL
SUNDIAL IN THE ENGINEERING QUAD, DESIGNED BY DALE CORSON, PRESIDENT OF CORNELL
THE OLD TROLLEY BRIDGE TO COLLEGETOWN
MRS. BARD
TIM WHETTEN HANGING FROM A WINDOW, PHILLIPS HALL
PROFESSOR BATTERMAN
PROFESSOR DIETER AST
PROFESSOR JACK BIRD FROM EAS AND
PROFESSOR DAVID KOHLSTEDT FROM MSE
PROFESSOR LEIGH PHOENIX FROM TAM AND PROFESSOR ED KRAMER FROM MSE
MSE CELEBRATES 50 YEARS!

1985-1995
PROFESSOR EMMANUEL GIANNELIS
EDWARD P. CLARY, A JUNIOR IN MATERIALS SCIENCE AND ENGINEERING, WORKED WITH MSE PROFESSOR SASS-1988
C. BARRY CARTER, PROFESSOR MSE AND DIRECTOR OF THE MATERIALS SCIENCE CENTER ELECTRON MICROSCOPY FACILITY-1989
FROM LEFT TO RIGHT, JAMES W. MAYER, THE FRANCIS N. BARD PROFESSOR OF MSE AND JAMES R. PHILLIPS, A DOCTORAL CANDIDATE IN MSE-1988
LABORATORY BARD HALL, LEFT TO RIGHT, RICHARD PURSER, GRADUATE STUDENT MSE; SENIORS BARBARA CHO, BOB GEOGHEGAN; W. STANLEY TAFT ART DEPARTMENT FACULTY; AND JAMES MAYER-1989
RESEARCH ASSOCIATE PETER REVESZ (LEFT), WHO WORKED ON THE NEW TARGET CHAMBER, AND NICHOLAS SZABO, JR., A RESEARCH SUPPORT SPECIALIST, EXAMINE AN ILLUSTRATION IN A RARE BOOK-1989
RÜDIGER DIECKMANN AND THE UNIQUE THERMOBALANCE HE DEVELOPED-1989
PROFESSOR JOHNSON AND JARI KOSKINEN, A POSTDOCTORAL ASSOCIATE, WORKING WITH THE MICROTENSILE APPARATUS FOR TESTING FIBERS WITH DIMENSIONS AS SMALL AS 1 MICROMETER-1989
LEFT TO RIGHT-ROBERT WEST, DIRECTOR OF THERM’S CERAMICS DIVISION; ARTHUR L. RUOFF, DIRECTOR OF THE CORNELL CERAMICS PROGRAM WHO SERVED AS A CONSULTANT); AND ROBERT SPROLE II, PRESIDENT OF THERM-1989
MENG STUDENT JEFFREY MAGGARD WORKS WITH THE INFRARED VACUUM REFLOW FURNACE, WHICH IS USED TO MELT THE SOLDER FOR FLIP-CHIP CONNECTIONS-1993
FROM LEFT TO RIGHT-ASSOCIATE PROFESSOR EMMANUEL GIANNELIS, MICHAEL W. RUSSEL, A GRADUATE STUDENT IN THE DEPARTMENT OF MSE, GERALD T. KRAUS, A GRADUATE STUDENT FROM THE DEPARTMENT OF MSE-1993
ON THE LEFT-NANCY STOFFEL A FORMER MSE STUDENT AND CHRISTOPHER K. OBER, AN ASSOCIATE PROFESSOR IN MSE-1993
AT LEFT-ROLAND GERAY, A POSTDOCTORAL RESEARCHER WITH PROFESSOR RÜDIGER DIECKMANN (PROFESSOR DIECKMANN ON RIGHT)
ASSOCIATE PROFESSOR MIKE THOMPSON
ASSOCIATE PROFESSOR DAVID GRUBB
PROFESSOR EMMANUEL GIANNELIS
PROFESSOR HERBERT JOHNSON, DEPARTMENT DIRECTOR AND DIRECTOR OF CCMR
PROFESSOR HERBERT JOHNSON, DEPARTMENT DIRECTOR AND DIRECTOR OF CCMR
PROFESSOR EDWARD KRAMER
PROFESSOR DAVID KOHLSTETD
PROFESSOR DAVID KOHLSTEDT AND STUDENT REID COOPER
PROFESSOR ROBERT BALLUFFI
STUDENT RUSS COMPOSTO

Rich Composto
STUDENTS DAVID LILIENFELD AND PETER BORGESEN
A SNOWY ENGINEERING QUAD IN WINTER
STUDENT JULIE NUCCI
PROFESSOR AND DEPARTMENT HEAD
CHE-YU LI
MSE CELEBRATES 50 YEARS!

1995-2005
YUANMING ZHANG TECHNICIAN MSE-2001
MSE PROFESSOR CHRISTOPHER K. OBER
MSE PROFESSOR ULI WIESNER-2001
MSE PROFESSOR GEORGE MALLIARAS
PROFESSOR ULI WIESNER AND CARLOS GARCIA-GRAD STUDENT WITH THE WIESNER GROUP-2003
CLOCKWISE FROM LEFT: GRAD STUDENTS DARREN DALE, MSE, AND AARON FLEET, AEP; POST-DOCTORAL ASSOCIATE HUAN-HUA WANG; AND PROFESSOR JOEL BROCK-2002
PROFESSOR CHRIS OBER, THE MSE DIRECTOR (RIGHT) AND TOM PIWINSKI ‘74
PROFESSOR STEVE SASS AND
THE SUBSTANCE OF CIVILIZATION -1998
PROFESSOR R. BRUCE VAN-DOVER WITH CHAMBER-2002
JUNIOR CLASS AWARDS 2004-2005
ADJUNCT PROFESSOR ALTON CLARK
ADJUNCT PROFESSOR MOOL GUPTA
ASSOCIATE PROFESSOR SHEFFORD BAKER
PROFESSOR STEPHEN SASS
PROFESSOR ART RUOFF
ED HART
ADJUNCT PROFESSOR CHRISTOPHER “KIT” UMBACH
PROFESSOR STEPHEN SASS
ASSOCIATE PROFESSOR MIKE THOMPSON
PROFESSOR EMMANUEL GIANNELIS

Giannelis 1995
MSE CELEBRATES 50 YEARS!

2005-2015
2014 EMERITUS PROFESSOR DIETER AST, DEPARTMENT DIRECTOR DARRELL SCHLOM, AND DEAN COLLINS
MAT SCI EXPO 2010
ELLEN KEENE IN PROFESSOR LARA ESTROFF’S GROUP 2009
MSE STUDENTS HOLIDAY-2011-FROM LEFT TO RIGHT: KEVIN KORF, SANLIN ROBINSON, DAVID AGYEMAN-BUDU, BETSY ELLIS, CHRISTIAN OCIER
ADJUNCT PROFESSOR JULIE NUCCI AND STUDENTS
UNDERGRADUATE PICNIC-2009-ASSOCIATE PROFESSOR MIKE THOMPSON AND STUDENTS
MSE ALUMNI BREAKFAST 2007: FRONT ROW FROM LEFT TO RIGHT: AMY OSENAR HOLDING TORIN OSENAR, KOJI MORIHIRO, CHAU-JEAN LIN, ASSOCIATE PROFESSOR DAVID GRUBB; TOP ROW FROM LEFT TO RIGHT: ADJUNCT PROFESSOR CHRISTOPHER "KIT" UMBACH, PAUL OSENAR WITH ZEMZEM OSENAR, TIM KOCH, HENRY JOE, RICHARD BOJKO, TORSTEN GRIEM, PROFESSOR EMMANUEL GIANNELIS, ASSOCIATE PROFESSOR MIKE THOMPSON, PROFESSOR ART RUOFF, AND ASSOCIATE PROFESSOR SHEFFORD BAKER
SENIOR DINNER 2007
2012 WELCOME PICNIC ASSOCIATE
PROFESSOR ESTROFF WITH DAUGHTER DALIA
UNDERGRADUATE BOWLING-2009-WINNING TEAM
FROM LEFT TO RIGHT: DEBRA (DENG) LIN, ROBERT RODRIGUEZ, AND PROFESSOR EMMANUEL GIANNELIS
STANDING: ADJUNCT PROFESSOR CHRISTOPHER “KIT” UMBACH; SITTING: ASSOCIATE PROFESSOR SHEFFORD BAKER
GIANNELIS RESEARCH GROUP MEMBER
LOU ESTEVEZ
PROFESSOR ULI WIESNER
ASSISTANT PROFESSOR DELPHINE GOURDON
LIANE MOREAU—2011-FROM THE ROBINSON RESEARCH GROUP
MAT SCI EXPO 2015-ASSOCIATE PROFESSOR MIKE THOMPSON ON THE LEFT AND PROFESSOR BRUCE VAN DOVER ON THE RIGHT
INNOVATION COMPETITION AWARD WINNERS 2014
PROFESSOR AND DEPARTMENT CHAIR
DARRELL SCHLOM
PROFESSOR DEBDEEP JENA
PROFESSOR LUTGARD DEJONGHE
ASSISTANT PROFESSOR EVE DONNELLY
HOLIDAY CELEBRATION-2011-FROM LEFT TO RIGHT: LUIS ESTEVEZ FROM THE GIANNELIS RESEARCH GROUP, ASSISTANT PROFESSOR RICHARD ROBINSON, AND PROFESSOR DIETER AST WITH LOOKALIKE PUPPET
ASSOCIATE PROFESSOR CHEKESHA LIDDELL WATSON-2012
PROFESSOR GEORGE MALLIARAS
ASSOCIATE PROFESSOR DAVID GRUBB
ALUMNI BREAKFAST-2011-FROM LEFT TO RIGHT: PROFESSOR EDWARD KRAMER, GAIL KRAMER, AND PROFESSOR DIETER AST
ALUMNI BREAKFAST 2010-FROM LEFT TO RIGHT: MARY LEMBERG, JOE LEMBERG, TODD KASEN, RICH ROHL, CHRISTINE BALLESTER, JAIME BALLESTER, ADRIENNE ALTON-GUST, LARRY GUST
GOURDON RESEARCH GROUP-2014 FRONT ROW LEFT TO RIGHT: ?, KARIN WANG, ROBERTO ANDRESEN EGUILUZ, LAUREN HSU; BACK ROW LEFT TO RIGHT: JIN HO CHANG, ?, ?, FEI WU, ASSISTANT PROFESSOR DELPHINE GOURDON, ?, ?, NOAH PACIFICI.
ALUMNI BREAKFAST 2013-LEFT TO RIGHT: DAN BUTTON, KRISTIN FIDLER CAVICCHI, KEVIN CAVICCHI (AND OWEN), USAMA ABDALI, HELEN MAYNARD, TERRY FINERMAN, PATRICK KIERNAN, CHRIS DANICIC, LAURA CONNELLY
HALLOWEEN 2014-ASSOCIATE PROFESSOR MIKE THOMPSON’S STUDENTS DRESSED LIKE HIM!
HALLOWEEN 2014-ASSOCIATE PROFESSOR MIKE THOMPSON’S STUDENTS DRESSED LIKE HIM-MIKE THOMPSON ON THE RIGHT
BARD HALL-2015
ADJUNCT PROFESSOR MARTY MURTAGH
MSE ADVISORY BOARD-2011-BOTTOM ROW FROM LEFT TO RIGHT: STEPHEN RUOFF, YONN RASMUSSEN, PROFESSOR EMMANUEL GIANNELIS, DEAN LANCE COLLINS, PAUL OSEMAR; SECOND ROW FROM LEFT TO RIGHT: FRED P. KELLER, RICHARD VAIA, KAREN WINEY, NED THOMAS, GREG GALVIN; TOP ROW FROM LEFT TO RIGHT: ASSOCIATE PROFESSOR SHEFFORD BAKER, AZHAR-HASHMAT KHAN
TIM WHETTEN
ASSOCIATE PROFESSOR YURI SUZUKI