



### Program at a Glance

	Sunday 9/18	Monday 9/19	Tuesday 9/20	Wednesday 9/21	Thursday 9/22
Early Morning	Graduate Consortium	Successful Visual End-User Programming Systems	Keynote – Jeanette Wing	Keynote – Brian H. Powell	EUSES Workshop
Late Morning		Visual Domain-Specific Languages	Visual Languages & Theory	Software Development and Usability	
Early Afternoon		End-User Programming	Debugging & Program Understanding	Models	
Late Afternoon		Tools	Program Understanding	Diagrams and Visualization	
Evening	Opening Reception	Posters & Demos Dinner Reception	Grand Reception at National Aviary		

### Thank You to Our Symposium Sponsors



## Sunday, September 18

Starts at 9:15 **GRADUATE CONSORTIUM: EXPANDING END USER CONTROL IN SOCIO-TECHNICAL SYSTEMS**  
Carnegie Mellon University

19:30–22:00 **Opening Reception with Light Refreshments**  
Sheraton Station Square, Fountainview Room

All main conference sessions in Sheraton Station Square, Grand Station Ballroom 3 & 4.

## Monday, September 19

8:00– 9:00 **Registration and Continental Breakfast**

9:00– 9:10 **Conference Opening**  
Brad Myers · *Carnegie Mellon University, USA*

9:10–10:30 **Successful Visual and End-User Programming Systems** · PANEL  
MODERATOR Brad Myers · *Carnegie Mellon University, USA*

PANELISTS

- Ofer Brandes — Tersus Visual Programming Platform  
*CEO, Tersus Software*
- Allen Cypher — CoScripter  
*Research Scientist, IBM Research – Almaden*
- Andrew P. Dove — LabVIEW  
*Principal Architect, National Instruments Corporation*
- Peter Lucas — CPoF and Visage  
*Principal, MAYA Design*
- Alexander Repenning — AgentSheets  
*CTO, AgentSheets and Professor, University of Colorado Boulder*
- Walter van Roggen — Sanscript and GoDiagram  
*Vice President, Northwoods Software*

11:00–12:30 **VISUAL DOMAIN-SPECIFIC LANGUAGES**  
SESSION CHAIR Paolo Bottoni · *Sapienza – Università di Roma, Italy*

**Obstacles and opportunities with using visual and domain-specific languages in scientific programming** · PAPER  
Michael Jones · *Oregon State University, USA*  
Christopher Scaffidi · *Oregon State University, USA*

**Quick fix generation for DSMLs** · PAPER

Ábel Hegedüs · *Budapest University of Technology and Economics, Hungary*  
Ákos Horváth · *Budapest University of Technology and Economics, Hungary*  
Istvan Rath · *Budapest University of Technology and Economics, Hungary*  
Moises C. Branco · *University of Waterloo, Canada*  
Daniel Varro · *University of Waterloo, Canada*

**Ruru: A spatial and interactive visual programming language for novice robot programming** · PAPER

James Diprose · *University of Auckland, New Zealand*  
Bruce Macdonald · *University of Auckland, New Zealand*  
John Hosking · *University of Auckland, New Zealand*

14:30–16:00

**END-USER PROGRAMMING**

SESSION CHAIR Mary Beth Rosson · *Pennsylvania State University, USA*

**An Exploration of Design Opportunities for “Gardening” End-User Programmers’ Ideas** · PAPER

Jill Cao · *Oregon State University, USA*  
Scott D. Fleming · *Oregon State University, USA*  
Margaret Burnett · *Oregon State University, USA*

**Scenario Markup Language for Authoring Behavioral Driver Studies in 3D Virtual Worlds** · SHORT PAPER

Kugamoorthy Gajananan · *Graduate University for Advanced Studies, Japan*  
Arturo Nakasone · *Graduate University for Advanced Studies, Japan*  
Helmut Prendinger · *Graduate University for Advanced Studies, Japan*  
Marc Miska · *Queensland University of Technology, Australia*

**Mini-Crowdsourcing End-User Assessment of Intelligent Assistants: A Cost-Benefit Study** · PAPER

Amber Shinsel · *Oregon State University, USA*  
Todd Kulesza · *Oregon State University, USA*  
Margaret Burnett · *Oregon State University, USA*  
William Curran · *Oregon State University, USA*  
Alex Groce · *Oregon State University, USA*  
Simone Stumpf · *City University London, UK*  
Weng-Keen Wong · *Oregon State University, USA*

**An Investigation of Non-Programmers’ Performance with Tools to Support Output Localization** · SHORT PAPER

Paul Gross · *Washington University in St. Louis, USA*  
Jennifer Yang · *University of Washington, USA*  
Caitlin Kelleher · *Washington University in St. Louis, USA*

16:30–17:15

**TOOLS**

SESSION CHAIR Alexander Repenning · *AgentSheets, University of Colorado Boulder, USA*

**Automatic Diagram Layout Support for the Marama Meta-toolset** · SHORT PAPER

Pei Shan Yap · *University of Auckland, New Zealand*

John Hosking · *University of Auckland, New Zealand*  
John Grundy · *Swinburne University of Technology, Australia*

**Examining Interaction with General-Purpose Object Recognition in LEGO**

**OASIS** · SHORT PAPER

Ryder Ziola · *University of Washington, USA*  
Shweta Grampurohit · *University of Washington, USA*  
Nate Landes · *University of Washington, USA*  
James Fogarty · *University of Washington, USA*  
Beverly Harrison · *Intel Labs Seattle, USA*

**History Repeats Itself More Easily When You Log It: Versioning for**

**Mashups** · SHORT PAPER

Sandeep Kuttal · *University of Nebraska – Lincoln, USA*  
Anita Sarma · *University of Nebraska – Lincoln, USA*  
Gregg Rothermel · *University of Nebraska – Lincoln, USA*

17:15–18:00 **Overview of All Posters and Demonstrations**

19:00–22:00 **POSTERS AND DEMONSTRATIONS DINNER RECEPTION**  
**Reception at Carnegie Mellon University**

**Tuesday, September 20**

8:30– 9:00 **Registration and Continental Breakfast**

9:00– 10:30 **[Computational Thinking](#)** · KEYNOTE  
Jeanette M. Wing · *Carnegie Mellon University, USA*

11:00– 12:30 **VISUAL LANGUAGES AND THEORY**  
SESSION CHAIR Mark Minas · *Universität der Bundeswehr München, Germany*

**SketchSet: Creating Euler Diagrams using Pen or Mouse** · PAPER  
Mengdi Wang · *University of Auckland, New Zealand*  
Beryl Plimmer · *University of Auckland, New Zealand*  
Paul Schmieder · *University of Auckland, New Zealand*  
Gem Stapleton · *University of Brighton, UK*  
Peter Rodgers · *University of Kent, UK*  
Aidan Delaney · *University of Brighton, UK*

**Identifying Attachment Areas on Sketched Symbols** · SHORT PAPER  
Gennaro Costagliola · *University of Salerno, Italy*  
Mattia De Rosa · *University of Salerno, Italy*  
Vittorio Fuccella · *University of Salerno, Italy*

**Deriving Sound Inference Rules for Concept Diagrams** · PAPER  
Peter Chapman · *University of Brighton, UK*  
Gem Stapleton · *University of Brighton, UK*  
John Howse · *University of Brighton, UK*  
Ian Oliver · *Nokia Research, Finland*

**Policy Specifications with Timed Spider Diagrams** · SHORT PAPER  
Paolo Bottoni · *Sapienza – Università di Roma, Italy*  
Andrew Fish · *University of Brighton, UK*

14:30– 16:00 **DEBUGGING AND PROGRAM UNDERSTANDING**  
SESSION CHAIR Martin Erwig · *Oregon State University, USA*

**Coping with Duplicate Bug Reports in Free/Open Source Software Projects** · PAPER  
Jennifer Davidson · *Oregon State University, USA*  
Nitin Mohan · *Oregon State University, USA*  
Carlos Jensen · *Oregon State University, USA*

**Modeling Programmer Navigation: A head-to-head empirical evaluation of predictive models** · PAPER  
David Piorkowski · *Oregon State University, USA*  
Scott D. Fleming · *Oregon State University, USA*

Christopher Scaffidi · *Oregon State University, USA*  
Liza John · *Carnegie Mellon University, USA*  
Christopher Bogart · *Oregon State University, USA*  
Bonnie E. John · *IBM Research – T.J. Watson and Carnegie Mellon University, USA*  
Margaret Burnett · *Oregon State University, USA*  
Rachel Bellamy · *IBM Research – T.J. Watson, USA*

**Visualizing Call Graphs** · PAPER

Thomas LaToza · *Carnegie Mellon University, USA*  
Brad Myers · *Carnegie Mellon University, USA*

16:30–18:00

**PROGRAM UNDERSTANDING**

SESSION CHAIR Margaret Burnett · *Oregon State University, USA*

**Enabling Program Comprehension through a Visual Object-focused Development Environment** · PAPER

Fernando Olivero · *University of Lugano, Switzerland*  
Michele Lanza · *University of Lugano, Switzerland*  
Marco D'Ambros · *University of Lugano, Switzerland*  
Romain Robbes · *University of Chile, Chile*

**On the Impact of Layout Quality to Understanding UML Diagrams** · PAPER

Harald Störrle · *Technical University of Denmark, Denmark*

**#ifdef Confirmed Harmful: Promoting Understandable Software Variation** · PAPER

Duc Le · *Oregon State University, USA*  
Eric Walkingshaw · *Oregon State University, USA*  
Martin Erwig · *Oregon State University, USA*

19:00–23:00

**Grand Reception at the National Aviary**

## Wednesday, September 21

8:30– 9:00 **Registration and Continental Breakfast**

9:00– 10:30 [\*\*The Keys to Solving the World's Top Engineering Challenges\*\*](#) · KEYNOTE  
Brian H. Powell · *National Instruments Corporation, USA*

11:00– 12:30 **SOFTWARE DEVELOPMENT AND USABILITY**  
SESSION CHAIR John Grundy · *Swinburne University of Technology, Australia*

**Improving Usability of Interactive Graphics Specification and Implementation with Picking Views and Inverse Transformations** · PAPER  
Stéphane Conversy · *ENAC-LII, IRIT-ICS and Université de Toulouse, France*

**Why do Programmers Make Security Errors?** · SHORT PAPER  
Jing Xie · *University of North Carolina at Charlotte, USA*  
Heather Lipford · *University of North Carolina at Charlotte, USA*  
Bei-Tseng Chu · *University of North Carolina at Charlotte, USA*

**Restructuring Software with Gestures** · PAPER  
Emerson Murphy-Hill · *North Carolina State University, USA*  
Moin Ayazifar · *North Carolina State University, USA*  
Andrew Black · *Portland State University, USA*

**The Role of Conceptual Knowledge in API Usability** · SHORT PAPER  
Andrew Ko · *University of Washington, USA*  
Yann Riche · *Microsoft Corporation, USA*

14:30– 16:00 **MODELS**  
SESSION CHAIR Gem Stapleton · *University of Brighton, UK*

**Embedding and Evolution of Spreadsheet Models in Spreadsheet Systems** · PAPER  
Jácome Cunha · *Universidade do Minho, Portugal*  
Jorge Mendes · *Universidade do Minho, Portugal*  
João Saraiva · *Universidade do Minho, Portugal*  
João Paulo Fernandes · *Universidade do Minho and Universidade do Porto, Portugal*

**Allowing End-users to Participate within Model-Driven Development Approaches** · SHORT PAPER  
Francisca Pérez · *Universitat Politècnica de València, Spain*  
Pedro Valderas · *Universitat Politècnica de València, Spain*  
Joan Fons · *Universitat Politècnica de València, Spain*

**Future Trace: Making Programming more Conversational** · SHORT PAPER

Alexander Repenning · *AgentSheets and University of Colorado Boulder, USA*

**Expressing Model Constraints Visually with VMQL** · PAPER

Harald Störrle · *Technical University of Denmark, Denmark*

16:30–17:45

**DIAGRAMS AND VISUALIZATION**

SESSION CHAIR Andrew Fish · *University of Brighton, UK*

**Progressor: Personalized visual access to programming problems** · SHORT PAPER

Fedor Bakalov · *Friedrich Schiller University of Jena, Germany*

I-Han Hsiao · *University of Pittsburgh, USA*

Peter Brusilovsky · *University of Pittsburgh, USA*

Birgitta König-Ries · *Friedrich Schiller University of Jena, Germany*

**Automatically Drawing Euler Diagrams with Circles and Ellipses** · SHORT PAPER

Gem Stapleton · *University of Brighton, UK*

Peter Rodgers · *University of Kent, UK*

**Aesthetic of Angular Resolution for Node-Link Diagrams: Validation and Algorithm** · SHORT PAPER

Weidong Huang · *University of Technology and CSIRO ICT Centre, Australia*

Maolin Huang · *University of Technology, Australia*

Chun-Cheng Lin · *National Chiao Tung University, Taiwan*

**Evaluating Visual and Statistical Exploration of Scientific Literature Networks** · PAPER

Robert Gove · *University of Maryland, USA*

Cody Dunne · *University of Maryland, USA*

Ben Shneiderman · *University of Maryland, USA*

Judith Klavans · *University of Maryland, USA*

Bonnie Dorr · *University of Maryland, USA*

17:45–18:00

**Conference Closing and VL/HCC 2012 Introduction**

Brad Myers · *Carnegie Mellon University, USA*

Gennaro Costagliola · *University of Salerno, Italy*

## Thursday, September 22

All day

**Post-conference EUSES Workshop**



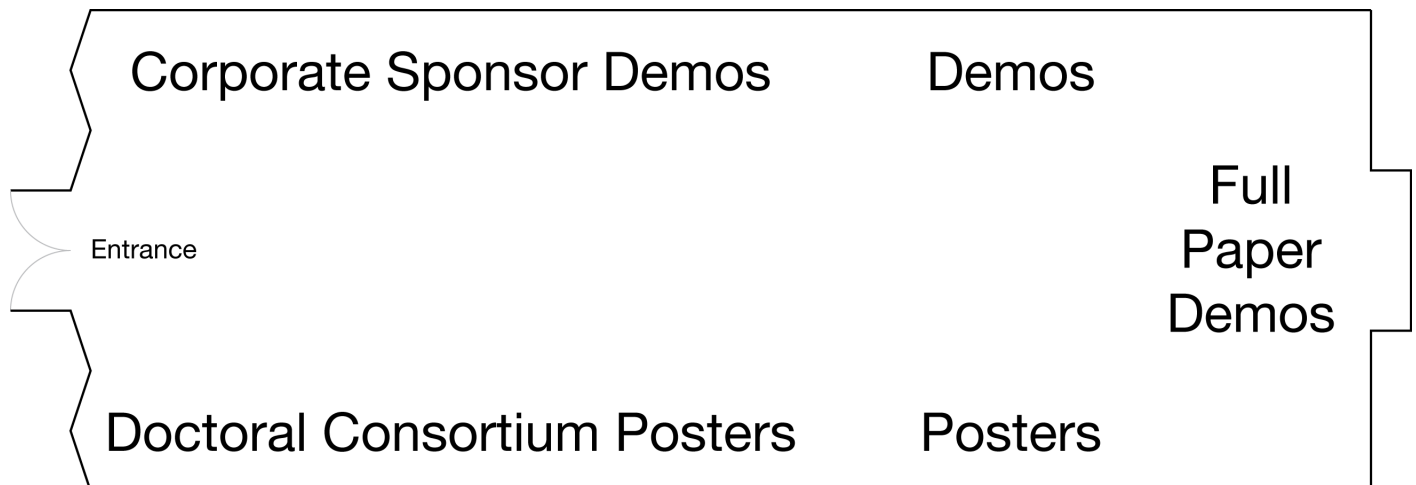
## Posters and Demonstrations Dinner Reception

Monday, September 19, 2011, 7:00pm

**Location:** Newell-Simon Hall Atrium – Carnegie Mellon University

A **shuttle bus** will run continuously from 6:15pm until 10:00pm between the Sheraton Station Square and the Posters and Demonstrations Dinner Reception location, which is the Atrium of Newell-Simon Hall (NSH) on the Carnegie Mellon University Campus. If you want to drive, you can park for free at CMU in the Morewood Parking Lot, which is approximately at 4900 Forbes Avenue, 15213. The included campus map shows the parking lot and NSH.

### Atrium Map



*Presentations are ordered as listed below and arranged clockwise in the atrium starting on your left as you enter through the doors.*

## **Corporate Sponsor Demos**

### **Tersus Visual Programming Platform**

Ofer Brandes · *Tersus Software, Israel*

### **Debugger Canvas**

Rob DeLine · *Microsoft Research, USA*

### **Rapid Prototyping of Mobile Applications for Augmented Reality Interactions**

Michele Di Capua · *Unlimited Software, Italy*

Gennaro Costagliola · *University of Salerno, Italy*

Mattia De Rosa · *University of Salerno, Italy*

Vittorio Fuccella · *University of Salerno, Italy*

### **Rapid Deployment of Graphical and Textual Code to Real-Time Targets**

Andrew P. Dove · *National Instruments, USA*

## **Other Corporate Demos**

### **GameSalad: Bringing Game Creation to Everyone**

Michael Agustin · *GameSalad, USA*

## **Demos**

### **Visual Programming and Music Score Generation with OpenMusic**

Jean Bresson · *STMS: IRCAM-CNRS-UPMC, France*

Carlos Agon · *STMS: IRCAM-CNRS-UPMC, France*

### **Breviz: Spreadsheet Visualization and Quality Analysis**

Felienne Hermans · *Delft University of Technology, Netherlands*

### **Scripting a Radically-Distributed World**

Peter Lucas · *MAYA Design, USA*

Jeff Senn · *MAYA Design, USA*

Magesh Balasubramana · *MAYA Design, USA*

Stuart Roth · *MAYA Design, USA*

Steve Spencer · *MAYA Design, USA*

## **Info: End-user Visual Computation Supporting Sharing & Reuse**

Jonathan Lung · *University of Toronto, Canada*

Steve Easterbrook · *University of Toronto, Canada*

## **Active Code Completion**

Cyrus Omar · *Carnegie Mellon University, USA*

YoungSeok Yoon · *Carnegie Mellon University, USA*

Thomas D. LaToza · *Carnegie Mellon University, USA*

Brad A. Myers · *Carnegie Mellon University, USA*

## **Conversational Programming in Action**

Alexander Repenning · *AgentSheets and University of Colorado Boulder, USA*

## **Programming in Pictures within Filmification Modeling Environment**

Yutaka Watanobe · *University of Aizu, Japan*

Rentaro Yoshioka · *University of Aizu, Japan*

Nikolay Mirenkov · *University of Aizu, Japan*

## **Full Paper Demos**

### **HaExcel: A Model-based Spreadsheet Evolution System**

Jácome Cunha · *Universidade do Minho, Portugal*

João Paulo Fernandes · *Universidade do Minho and Universidade do Porto, Portugal*

Jorge Mendes · *Universidade do Minho, Portugal*

João Saraiva · *Universidade do Minho, Portugal*

### **Coping with Duplicate Bug Reports in Free/Open Source Software Projects**

Jennifer Davidson · *Oregon State University, USA*

Nitin Mohan · *Oregon State University, USA*

Carlos Jensen · *Oregon State University, USA*

### **Ruru**

James Diprose · *University of Auckland, New Zealand*

### **Evaluating Visual and Statistical Exploration of Scientific Literature Networks**

Robert Gove · *University of Maryland, USA*

### **Quick fix generation for DSMLs**

Ábel Hegedüs · *Budapest University of Technology and Economics, Hungary*

Ákos Horváth · *Budapest University of Technology and Economics, Hungary*

Istvan Rath · *Budapest University of Technology and Economics, Hungary*

Moises C. Branco · *University of Waterloo, Canada*

Daniel Varro · *University of Waterloo, Canada*

### **Progressor**

I-Han Hsiao · *University of Pittsburgh, USA*

## **Pipes Plumber**

Sandeep Kuttal · *University of Nebraska – Lincoln, USA*

## **Visualizing Call Graphs**

Thomas D. LaToza · *Carnegie Mellon University, USA*

## **GaUCHO**

Fernando Olivero · *University of Lugano, Switzerland*

## **WYSIWYT/ML**

Amber Shinsel · *Oregon State University, USA*

## **SketchSet: Creating Euler Diagrams using Pen or Mouse**

Mengdi Wang · *University of Auckland, New Zealand*

Beryl Plimmer · *University of Auckland, New Zealand*

Paul Schmieder · *University of Auckland, New Zealand*

Gem Stapleton · *University of Brighton, UK*

Peter Rodgers · *University of Kent, UK*

Aidan Delaney · *University of Brighton, UK*

## **Posters**

### **Can Learning Acquisition Be Computed?**

Vicki Bennett · *University of Colorado Boulder, USA*

Kyu Han Koh · *University of Colorado Boulder, USA*

Alexander Reppenning · *AgentSheets and University of Colorado Boulder, USA*

### **REST based Service Composition: Exemplified in a Care Network Scenario**

Erik Grönvall · *Aarhus University, Denmark*

Mads Ingstrup · *Aarhus University, Denmark*

Morten Pløger · *Aarhus University, Denmark*

Morten Rasmussen · *Aarhus University, Denmark*

### **Tabular Form Editing with a Hexadecimal Grid Graph Model**

Shinji Koka · *Nihon University, Japan*

Koichi Anada · *Waseda University, Japan*

Kenshi Nomaki · *Nihon University, Japan*

Takeo Yaku · *Nihon University, Japan*

### **Beyond Autocomplete: Automatic Function Definition**

Kyle I. Murray · *University of Rochester, USA*

Jeffrey P. Bigham · *University of Rochester, USA*

### **Impure: a Visual Programming Language for the Data Age**

Santiago Ortiz · *Bestiario, Spain*

Victor Pascual Cid · *Bestiario, Spain*

## **A Graph Grammar Model for Syntaxes of Financial Statements**

Yuki Shindo · *Nihon University, Japan*

Koichi Anada · *Waseda University, Japan*

Koushi Anzai · *Kanto Gakuen University, Japan*

Shinji Koka · *Nihon University, Japan*

## **Row Manipulation in the Heterogenous Tabular Forms with an Octal Grid Model**

Takeo Yaku · *Nihon University, Japan*

Koichi Anada · *Waseda University, Japan*

Shinji Koka · *Nihon University, Japan*

Yuki Shindo · *Nihon University, Japan*

Kensei Tsuchida · *Toyo University, Japan*

## **Doctoral Consortium Posters**

### **“Gardening” End-User Programmers’ Ideas**

Jill Cao · *Oregon State University, USA*

### **End User Robot Programming via Visual Languages**

James Diprose · *University of Auckland, New Zealand*

### **Computing Indicators of Creativity**

Kyu Han Koh · *University of Colorado Boulder, USA*

### **Support for Software Variation Editing**

Duc Le · *Oregon State University, USA*

### **ClassSheet-driven Spreadsheet Environments**

Jorge Mendes · *Universidade do Minho, Portugal*

### **Injecting Computational Thinking into Career Explorations for Middle School Girls**

Heidi Webb · *Pennsylvania State University, USA*

### **Measuring Flow in Programming Education**

Mark Zarb · *University of Dundee, UK*



- ACADEMIC/ADMINISTRATIVE
  - 1 Alumni House
  - 2 Art Park
  - 3a Fisher Hall (RHS)
  - 3b Porter Hall
  - 4 Banner House
  - 5 Collaborative Innovation Center (CC)
  - 6 College of Fine Arts (CFA)
  - 7 Open Hall
  - 8 Dairy Hall
  - 9 Facilities Management Service Building
  - 10a Gates Center for Computer Science (SCS)
  - 10b Hillman Center for Future Generation Technology (SCS)
  - 11 Hamburg Hall (IHV)
  - 12 Haneschlag Hall
  - 13 Hunt Library
  - 14 Margaret Morrison Campaign Hall
  - 15 Mellon Institute (MCS)
  - 16 Newell-Simon Hall (NSH)
  - 17 Pittsburgh Technology Center (ETC)
  - 18 Reser Center
  - 19 Reser Hall (Rper)
  - 20 Reser Center for the Arts
  - 21 Reser Building
  - 22 Roberts Engineering Hall
  - 23 Robotics Engineering Consortium (NREC)
  - 24 Scale Hall (CTI)
  - 25 Salko Gymnasium
  - 26 Smith Hall
  - 27 Software Engineering Institute (SEI)
  - 28 Solar Decathlon House
  - 29 University Center
  - 30 Warner Hall (Office of Admission)
  - 31 West Hall
  - 32 Whitfield Hall (HH)
  - 33 300 South Craig (Palke)
  - 34 311 South Craig
  - 35 407 South Craig
  - 36 4516 Henry (UTDC)
  - 37 4609 Henry (MSSS Card Lab)
  - 38 4615 Forbes
  - 39 4616 Henry (IN)
  - 40 6555 Penn\*
- ◆ RESIDENTIAL
  - 41 Boss House
  - 42 Doberly Apartments
  - 43 Donner House
  - 44 Fairfax House (MCS)
  - 45 Fraternity Quadrangle
  - 46 Haneschlag House
  - 47 Henderson House
  - 48 London Terrace Apartments
  - 49 Margaret Morrison Apartments/Plaza
  - 50 Margaret Morrison Security Houses
  - 51 McGuff House
  - 52 Almondwood Center (Housing Office)
  - 53 Mudge House
  - 54 Resnik House & Turner Pavilion
  - 55 Rosewell House
  - 56 Schell House
  - 57 Stead Oak Apartments
  - 58 Staley Apartments
  - 59 Steyer House
  - 60 Steyer House
  - 61 Tech House
  - 62 The Residence on Fifth
  - 63 Webster Hall
  - 64 Welch House
  - 65 West Wing
  - 66 Woodman Apartments
  - 67 99 Gladstone
  - 68 1094 Devon
- ▲ PARKING
  - P1 Alumni House\*\*\*
  - P2 Banner House\*\*\*
  - P3 Children's School
  - P4 CIC Garage\*\*\*
  - P5 Dithridge Street Garage\*\*
  - P6 Doberly Apartments\*\*\*
  - P7 East Campus Garage\*\*\*
  - P8 Fine Arts
  - P9 Fraternities
  - P10 Gates Garage\*\*\*
  - P11 GATF
  - P12 Hamburg Hall\*\*\*
  - P13 Henry Street
  - P14 Motorcade\*\*\*
  - P15 Pittsburgh Technology Center (ETC)
  - P16 Porter-Haneschlag/Wean
  - P17 Sororities
  - P18 Warner
  - P19 West Campus
  - P20 Whitfield Hall
  - P21 Zedus Way\*\*
  - P22 4700 Fifth Avenue
  - P23 6555 Penn\*\*
  - P24 300 South Craig



- Academic/Administrative buildings
- ◆ Residential buildings
- ▲ Parking
- 2 Information Desk
- ♿ Accessible Parking
- ♣ Bus Stop
- Walkways
- University Police
- Dining
- Health Services

\*\*\* Open to all after 5 p.m. and weekends  
 \*\* Open to all 9 a.m.-5 p.m. Monday - Friday  
 \* Off campus, see inset  
 Additional on-street parking available on city streets.  
 Primary circulation route and access parking areas are shown.

# Campus Map

Carnegie Mellon University [www.cmu.edu](http://www.cmu.edu)

Revised September 2010