

8th International Conference on Population Balance Modeling

August 11-13, 2025
Purdue University, West Lafayette, IN, US

Venue:

Stewart Center, Purdue University
128 Memorial Mall, West Lafayette, IN 47907-2034

Monday, August 11, 2025

08:00-08:45 Registration (in front of Room 214)
Breakfast (Room 218)
08:45-09:00 Welcome and opening (Room 214)

Opening plenary lecture (Room 214)

Chair: Meenesh R. Singh, University of Illinois Chicago / USA

09:00-10:00 *New Problems in Population Balances*
Doraiswami Ramkrishna
Purdue University / USA

10:00-10:30 **Coffee Break** (Room 218)

Special session (Room 214)

Chairs: Nandkishor K. Nere, AbbVie / USA

Meenesh R. Singh, University of Illinois Chicago / USA

10:30-12:00 *In Honor of Doraiswami Ramkrishna's Contributions to Population Balance Modeling (Invited Talks)*

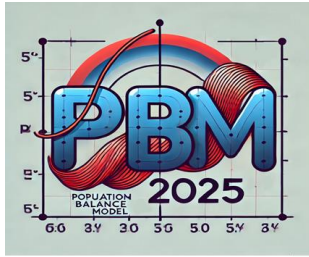
1. Gintaras (Rex) Reklaitis, Purdue University / USA
2. Rakesh Agrawal, Purdue University / USA
3. Ganesan Narsimhan, Purdue University / USA
4. Hyun-Seob Song, University of Nebraska-Lincoln / USA
5. Meenesh Singh, University of Illinois Chicago / USA
6. Nandkishor Nere, AbbVie / USA

12:00-13:30 **Lunch Break** (Room 218)

Plenary lecture (Room 214)

Chair: Gintaras (Rex) Reklaitis, Purdue University / USA

13:30-14:15 *Population Balance Modeling for Emerging Biotherapeutic Products*
Richard Braatz
MIT / USA



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Trailblazers in Modeling and Simulation of Particulate Processes: Session 1 (Room 214)

Chairs: Achim Kienle, Otto von Guericke University Magdeburg / Germany

Kensaku Matsunami, Purdue University / USA

14:15-14:45 *Broad Impact of Population Balance Modeling on the Pharmaceutical Process Development*

Manish Kelkar

AbbVie / USA

14:45-15:15 *Utilization of coupled heat, mass and Population balance models to optimize Spray Drying Processes*

Christopher L. Burcham, Patrick Harris, Suela Jonuzaj, Yogesh P. Patil, John P. Rose

Eli Lilly and Company / USA

15:15-15:45 **Coffee Break and Poster Session** (Room 218; see pages 6-7)

15:45-16:15 *Model predictive control of granulation using integrated population balance and machine learning models*

Rohit Ramachandran, Bhavani N. M. Manuraj, Ronit Gandhi

Rutgers University / USA

16:15-16:45 *Two decades of population balance applications from Ghent rooted in Purdue*

Ingmar Nopens

Ghent University / Belgium

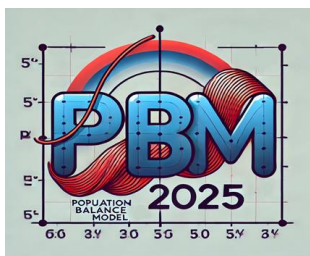
16:45-17:15 *Population Balance Modeling – versatility in methods and applications*

Heiko Briesen

Technical University of Munich / Germany

19:30 – **Conference dinner**

Location: Buchanan Club in the Ross-Ade Stadium (15 mins walk from the venue)



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Tuesday, August 12, 2025

08:00-09:00 **Breakfast** (Room 218)

Plenary lecture (Room 214)

Chair: Zoltan K. Nagy, Purdue University / USA

09:00-09:45 *PBM's in Industrial Crystallization Systems Engineering*
Botond Szilágyi
Budapest University of Technology and Economics / Hungary

Trailblazers in Modeling and Simulation of Particulate Processes: Session 2 (Room 214)

Chairs: Christopher L. Burcham, Eli Lilly / USA

Baron Peters, U Illinois Urbana-Champaign / USA

09:45-10:15 *Benefits and Challenges in Applying Population Balance Modeling to Industrial Case Studies: Wet Milling, Crystallization, and Integrated Processes*
Ankur Kapil, Michael Hamlin
Veranova / USA

10:15-10:45 *Improving a Reactive Crystallization through an Integrated Thermodynamic, Reaction Kinetic, and Population Balance Modeling Approach*
Venkat Bhamidi
Corteva / USA

10:45-11:15 **Coffee Break and Poster Session** (Room 218; see pages 6-7)

Oral Presentations: Session 1 (Room 214)

Chairs: Wei-Lee Wu, AbbVie/ USA

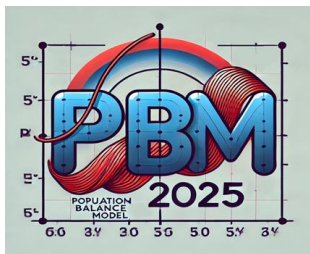
Yash Barhate, Purdue University / USA

11:15-11:35 *Double Emulsions Preparation in Stirred Tank: Modeling the Release Kinetics through a Population Balance Framework*
Ranim Chakleh, Nouredine Lebaz, Nida Sheibat-Othman
Universite Claude Bernard Lyon / France

11:35-11:55 *Improving oxygen transfer predictions in aeration operations with a lightweight and spatially resolved population balance model*
Pablo Gallo, Diogo Abreu, Andreia Amaral, Ingmar Nopens
Ghent University / Belgium

11:55-12:15 *Cells utilize common intracellular reactions to modulate population variability*
Che-Chi Shu
National Taipei University of Technology / Taiwan

12:15-13:45 **Lunch Break** (Room 218)



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Trailblazers in Modeling and Simulation of Particulate Processes: Session 3 (Room 214)

Chairs: Rohit Ramachandran, Rutgers University / USA

Heiko Briesen, Technical University of Munich / Germany

- | | |
|-------------|---|
| 13:45-14:15 | <i>Kinetic Modeling Across Scales to Understand Complex Chemistry of Polymer Deconstruction</i>
<u>Linda J Broadbelt</u>
Northwestern University / USA |
| 14:15-15:15 | <i>Bayesian- and Mechanism-Enabled PBM in Space and Time</i>
<u>Patrick D Shipman</u> , Rick Finke, Stephen Thompson
The University of Arizona; Colorado State University / USA |
| 15:15-15:45 | <i>Modeling and control of particle formation in fluidized beds</i>
<u>Achim Kienle</u>
Otto von Guericke University Magdeburg / Germany |
| 15:45-16:15 | <i>Realizable Numerical Schemes for Coupled CFD-PBE Problems</i>
<u>Alberto Passalacqua</u> , Rodney O Fox
Iowa State University / USA |
| 16:15-16:45 | <i>Population balance models for catalytic depolymerization: From elementary steps to multiphase reactors</i>
<u>Baron Peters</u>
U Illinois Urbana-Champaign / USA |
| 16:45-17:15 | Coffee Break and Poster Session (Room 218; see pages 6-7) |

Oral Presentations: Session 2 (Room 214)

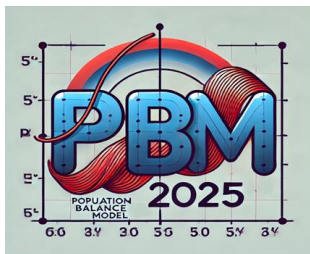
Chairs: Venkat Bhamidi, Corteva / USA

Alberto Passalacqua, Iowa State University / USA

- | | |
|-------------|--|
| 17:15-17:35 | <i>Analytical solution to the discretized population balance equation for pure breakage with application to kernel identification</i>
<u>Prem K.R. Podupu</u> , Vamsi V. Gande, Ragavendra Hari, Akshay Korde, Manish S. Kelkar, Nandkishor K. Nere, Meenesh R. Singh
University of Illinois Chicago; AbbVie / USA |
| 17:35-17:55 | <i>Monte Carlo Simulation as a Population Balance Model Solver Method - A Comparative Study of Stochastic and Non-Stochastic Methods</i>
<u>László Balogh</u> , Attila Egedy, Ágnes Bárkányi
University of Pannonia / Hungary |
| 17:55-18:15 | <i>Predicting crystal size distribution in a drying saline droplet: A comparative study of PBM approaches</i>
<u>Benjamin Mignot</u> , Tariq Mahmud, Peter J. Heggs, Mojtaba Ghadiri, Kevin J. Roberts
University of Leeds / UK |

19:30 – Conference dinner

Location: The Anniversary Drawing Room (2nd floor), Purdue Memorial Union (the next to the conference venue)



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Wednesday, August 13, 2025

08:00-09:00 **Breakfast** (Room 218)

Oral Presentations: Session 3 (Room 214)

Chairs: Ankur Kapil, Veranova / USA

Linda J Broadbelt, Northwestern University / USA

- | | |
|-------------|--|
| 09:00-09:20 | <i>Accelerating Crystallization Process Design through Bayesian Optimization</i>
<u>Ábrahám Papp</u> , Diána Wiederschitz, Edith Alice Kovács, Botond Szilagyi
Budapest University of Technology and Economics / Hungary |
| 09:20-09:40 | <i>Optimizing coagulation-flocculation: A Population Balance model</i>
<u>Diogo Abreu</u> , David Fernandes del Pozo, Ingmar Nopens, Pablo Gallo
Ghent University / Belgium |
| 09:40-10:00 | <i>Predictive population balance modeling of pharmaceutical tablet disintegration and dissolution behavior</i>
<u>Meng-Hua Yang</u> , Francesco Rossi, Xinle Zhang, Gintaras V. Reklaitis, Zoltan K Nagy
Purdue University / USA |
| 10:00-10:30 | Coffee Break and Poster Session (Room 218; see pages 6-7) |

Oral Presentations: Session 4 (Room 214)

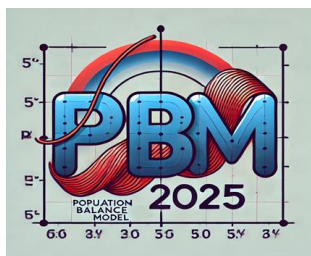
Chairs: Manish Kelkar, AbbVie / USA

Patrick D Shipman, The University of Arizona / USA

- | | |
|-------------|--|
| 10:30-10:50 | <i>Two-dimensional population balance modeling (2D-PBM) and machine learning-based multi-objective optimization for the cooling crystallization process of Resveratrol</i>
<u>Álmos Orosz</u> , Monika O. Neal, Botond Szilágyi, Zoltán K. Nagy
Purdue University / USA; Budapest University of Technology and Economics / Hungary |
| 10:50-11:10 | <i>A systematic methodology for robust identification of PBM for emulsion droplet breakage</i>
<u>Kristy Touma</u> , Noureddine Lebaz, Gürkan Sin, Nida Sheibat-Othman
Universite Claude Bernard Lyon / France |
| 11:10-11:30 | <i>Population balance modeling-based design of crystallization systems under parametric and process uncertainties</i>
<u>Yash Barhate</u> , Zoltan Nagy
Purdue University / USA |

11:30-11:45 – **Closing remarks** (Room 214)

11:45-12:45 **Lunch Break** (Room 218: only for workshop participants)



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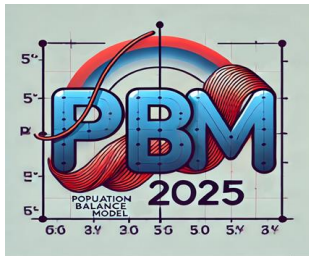
13:00-16:00 Parallel workshops

Location: Forney Hall of Chemical Engineering, 480 Stadium Mall Drive, West Lafayette, IN 47907

- Workshop 1: Modeling and design of industrial crystallization systems using CrySiV (FRNY G 124)
- Workshop 2: Sustainable Pharmaceutical Manufacturing (FRNY B 124)

Poster presentations

ID	Title
01	<i>Digital process design using optimization for agglomeration control in pharmaceutical crystallization</i> <u>Yung-Shun Kang</u> , Hemalatha Kilari, Zoltan K. Nagy Purdue University / USA
02	<i>A systematic framework for iterative model-based experimental design of batch and continuous crystallization systems</i> Hemalatha Kilari, <u>Yash Barhate</u> , <u>Yung-Shun Kang</u> , Zoltan K. Nagy Purdue University / USA
03	<i>Model-based experimental design framework for developing population balance models for continuous crystallization systems</i> <u>Yash Barhate</u> , Hemalatha Kilari, Zoltan K. Nagy Purdue University / USA
04	<i>A CFD-PBM approach to simulate liquid-liquid hydrocyclones</i> João P.S. Oliveira, Tania S. Klein, Ricardo A. Medronho, <u>Fabio P. Santos</u> Federal University of Rio de Janeiro / Brazil
05	<i>Parameters estimation in population balance models based on limited sets of experimental measurements</i> <u>Mauro Davanzo</u> , Emanuele Tomba, Enrico Carlassare, Riccardo Motterle, Pierantonio Facco, Massimiliano Barolo, Zoltan Nagy, Fabrizio Bezzo University of Padova / Italy
06	<i>Ensemble methods applied to 2D crystallization modeling</i> <u>Luisdomingo Guzman Julio</u> , Nathaniel A. Michael Purdue University / USA
07	<i>A systematic methodology for robust identification of PBM for emulsion droplet breakage</i> <u>Kristy Touma</u> , Noureddine Lebaz, Gürkan Sin, Nida Sheibat-Othman Universite Claude Bernard Lyon / France
08	<i>Modeling Crystallization Systems: Population Balance Approaches for Structurally Similar Impurities with Kinetically Controlled Impurity Incorporation Mechanisms</i> <u>Katherine L. Young</u> , Rojan Parvaresh, Baggie W. Nyande, Helen Yao, Chris Davey, Samir Diab, Zoltan Nagy Purdue University / USA
09	<i>A continuous population balance model of macrophage polarization with cybernetic regulation</i> <u>Prateek Gupta</u> , Mano Maurya, Shakti Gupta, Doraiswami Ramkrishna Purdue University / USA



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- 10 *Physics-informed neural networks for population balance modeling of macrophage polarization*
Elliot David McDonald, Prateek Gupta, Mano Maurya, Shakti Gupta, Ananth Grama,
Doraiswami Ramkrishna
Purdue University / USA
 - 11 *Optimization of Calibration Parameters for DEM Modeling of Mung Bean (*Vigna radiata* L.) Grains*
Rishi Sachan, Kingsly Ambrose
Indian Institute of Technology / India; Purdue University / USA
 - 12 *Two-dimensional population balance modeling (2D-PBM) and machine learning-based multi-objective optimization for the cooling crystallization process of Resveratrol*
Álmos Orosz, Monika O. Neal, Rekha Rao, Christine Roberts, Botond Szilágyi, Zoltán K. Nagy
Purdue University / USA
 - 13 *Double Emulsions Preparation in Stirred Tank: Modeling the Release Kinetics through Population Balance Framework*
Ranim Chakleh, Nouredine Lebaz, Nida Sheibat-Othman
Universite Claude Bernard Lyon / France
 - 14 *Toward Personalized Product and Treatment Design: Integrated Digital Design of Efficacy and Optimal Treatment of Oral Drug*
Meng-Hua Yang, Francesco Rossi, Gintaras V. Reklaitis, Zoltan K Nagy
Purdue University / USA
 - 15 *Integrated population balance modeling in end-to-end continuous pharmaceutical manufacturing: from crystallization to dissolution*
Kensaku Matsunami, Mohammad Shahab, Gintaras V. Reklaitis, Zoltan K. Nagy
Purdue University / USA
 - 16 *Analytical solution to the discretized population balance equation for pure breakage with application to kernel identification*
Prem K.R. Podupu, Vamsi V. Gande, Ragavendra Hari, Akshay Korde, Manish S. Kelkar,
Nandkishor K. Nere, Meenesh R. Singh
University of Illinois Chicago; AbbVie / USA
 - 17 *Reactive Crystallization Modeling for Process Integration Simulation*
Zachary Hillman, Zoltan Nagy
Purdue University / USA
 - 18 *CrystMechNet: AI-Powered Crystallization Mechanism Classification*
Bocheng Ouyang, Yash Barhate, Zoltan Nagy
Purdue University / USA
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Sponsors

- **Blaze Metrics**
- **Davidson School of Chemical Engineering**

■ Asian American and Asian Resource and Cultural Center (STEW) **G, H7**
ABE Agricultural and Biological Engineering **F9**
ADDL Animal Disease Diagnostic Laboratory **G10**
ADM ADM Agricultural Innovation Center **E11**
AERO Aerospace Science Laboratory **C11**
AGAD Agricultural Administration Building **G8**
AHF Animal Holding Facility **G10**
AQUA Boilermaker Aquatic Center **D6**
AR Armory **G6**
ARMS Armstrong (Neil) Hall of Engineering **G5**
ASB Airport Service Building (Shop Services) **A11-12**
ASTL Animal Sciences Teaching Laboratory **E8**
BALY Bailey (Ralph and Bettye) Hall **H6-7**
BCC Black Cultural Center **F6**
BCHM Biochemistry Building **F8**
BIND Bindley Bioscience Center **D8**
BRES Brees (Drew and Brittany) Student-Athlete Academic Center **F3**
BRK Birk Nanotechnology Center **D8**
BRNG Beering (Steven C.) Hall of Liberal Arts and Education **F, G7**
BRWN Brown (Herbert C.) Laboratory of Chemistry **H7**
BTV Boiler Television Building **E3**
■ Car/Van Rentals and Charter Bus (MMDC) **F11**
† **CHAF** Chaffee Hall **A9**
CL50 Class of 1950 Lecture Hall **G7**
COMP Composites Laboratory **C11**
CREC Córdoba (France A.) Recreational Sports Center **D, E6**
† **DANL** Daniel (William H.) Turfgrass Research Center **B1**
DAUC Dauch (Dick and Sandy) Alumni Center **H9**
DLR Hall for Discovery and Learning Research **E9**
DMNT DeMent (Clayton W.) Fire Station **D6**
DOYL Doyle (Leo Philip) Laboratory **G10**
DRUG Drug Discovery **F9**
DYE Pete Dye Clubhouse **C1**
EE Electrical Engineering Building **H6**
EEL Entomology Environmental Laboratory **G8**
EHSA Equine Health Sciences Annex **G10**
EHSB Equine Health Sciences Building **G10**
ELLT Elliott (Edward C.) Hall of Music **G6**
EXPT Exponent Building **H6**
FOPN Flight Operations Building **B11**
FORS Forestry Building **G8**
FPRD Forest Products Building **G8**
FREH Freehafer (Lytle J.) Hall of Administrative Services **H10**
FRNY Forney Hall of Chemical Engineering **G5**
FWLR Fowler (Harriet O. and James M., Jr.) Memorial House **E7**
GCMB Golf Course Maintenance Barn **C2**
GMF Grounds Maintenance Facility **F11**
■ The Graduate School (Young Hall - first floor) **H8**
■ Grand Prix Track (see Northwest Athletic Complex Inset)
GRIS Grissom Hall **H7**
GRS Grounds Service Building **E8**
GSMB Golf Storage Maintenance Building **C2**
HAAS Haas (Felix) Hall **G7**
HAMP Hampton (Delon and Elizabeth) Hall of Civil Engineering **G5**
HANS Hansen (Arthur G.) Life Sciences Research Building **F8, 9**
HEAV Heavilon Hall **H7**
HERL Herrick Acoustics **E8**
HGR4-6 Hangars, Numbers 4 through 6 **A11, 12**
HGRH Horticultural Greenhouse **G9**
HIKS Hicks (John W.) Undergraduate Library **G, H7, 8**
HLAB Herrick Laboratories **E8-9**
HHMT Hazardous Materials Management Trailer **H11**
HNLY Hanley (Bill and Sally) Hall **C7**
HOCK Hockmeyer (Wayne T. and Mary T.) Hall of Structural Biology **E9**
HORT Horticulture Building **G9**
HOVD Hovde (Frederick L.) Hall of Administration **G6**
JNSN Johnson (Helen R.) Hall of Nursing **G5, 6**
KCTR Krannert Center for Executive Education and Research **H8**
KNOY Knoy (Maurice G.) Hall of Technology **H6**
KRAN Krannert Building **H8**
KRCH Krach Leadership Center **E6**
LAMB Lambert (Ward L.) Fieldhouse and Gymnasium **F, G4**
LCC Latino Cultural Center (600 Russell St.) **F5**
■ Library, Main (see HIKS) **G, H7, 8**
■ Lilly Hall of Life Sciences **F8**
LMSB Laboratory Materials Storage Building **H11**

LMST Laboratory Materials Storage Trailer **H11**
LSA Life Science Animal Building **F8**
LSPS Life Science Plant and Soils Laboratory **F8**
LSR Life Science Ranges (Greenhouse and Service Building) **F8, 9**
LWSN Lawson (Richard and Patricia) Computer Science Building **F6**
LYLE Lyles-Porter Hall **F9**
LYNN Lynn (Charles J.) Hall of Veterinary Medicine **G10**
MACK Mackey (Guy J.) Arena **F, G4**
MANN Mann (Gerald D. and Edna E.) Hall **E8**
MATH Mathematical Sciences Building **G7**
ME Mechanical Engineering Building **G, H6**
MGL Michael Golden Engineering Laboratories and Shops **H6**
MJIS Jischke (Martin C.) Hall of Biomedical Engineering **E9**
MMDC Materials Management and Distribution Center **F11**
MMS1 Materials Management Storage Building 1 **F12**
MOLL Mollenkopf Athletic Center **F3**
MRGN Morgan (Burton D.) Center for Entrepreneurship **E8**
MRRT Marriott Hall **F7, 8**
MSEE Materials and Electrical Engineering Building **H5, 6**
MTHW Matthews Hall **F7, 8**
NAECC Native American Educational and Cultural Center (South Campus Courts, Building B) **H10**
NISW Niswonger Aviation Technology Building **B11**
NLSN Nelson (Philip E.) Hall of Food Science **G9**
NUCL Nuclear Engineering Building **H6**
OLMN Ollman (Melvin L.) Golfcart Barn **C1**
■ Parking Facilities (Purdue West, Building D) **B7**
PAO Pao (Yue-Kong) Hall of Visual and Performing Arts **H8**
PFEN Pfendler (David C.) Hall of Agriculture **G8**
PFSS Physical Facilities Service Building **F12**
■ Pharmacy (Purdue University Retail Pharmacy - RHPH) **F, G5**
PHYS Physics Building **G5**
PJIS Jischke (Patty) Early Care and Education Center **C8**
PMU Purdue Memorial Union (includes Welcome Center) **H7**
PMUC Purdue Memorial Union Club **H7**
POAN Poultry Science Annex **E8**
POTR Potter (A.A.) Engineering Center **H6**
POUL Poultry Science Building **E8**
PRCE Peirce Hall **G7**
PRSV Printing Services Facility **F11**
PSYC Psychological Sciences Building **G6, 7**
PUSH Purdue University Student Health Center **F, G5**
PVAB Purdue Village Administration Building **D9**
PVCC Purdue Village Community Center **C8**
PWD Parking Facilities **B7**
RAIL American Railway Building **H6**
RAWL Rawls (Jerry S.) Hall **H8**
REC Recitation Building **G7**
RHPH Heine (Robert E.) Pharmacy Building **F, G5**
SC Stanley Coulter Hall **G7**
SCCA-E South Campus Courts, Buildings A-E **G, H9, 10**
SCHL Schleman (Helen B.) Hall of Student Services **G6**
SCHO Global Policy Research Institute (Schowe House) **F1**
SCPA Slayter Center of Performing Arts **D4**
† **SIML** Holleman-Niswonger Simulator Center
SMLY Smalley (John C.) Center for Housing and Food Services Administration **D6, 7**
SMTH Smith Hall **F8**
SOIL Soil Erosion Laboratory, National **E9**
SPUR Spurgeon (Tom) Golf Training Center **C1**
SSOF State Street Office Facility **A8**
STDM Ross-Ade Stadium (includes Ross-Ade Pavilion [RAP]) **F3**
STEW Stewart Center **G, H7**
STON Stone (Winthrop E.) Hall **G7, 8**
■ Student Health Center (see PUSH) **F, G5**
TEL Telecommunications Building **F7**
TERM Terminal Building **B11**
TERY Terry (Oliver P.) House **E8, 9**
TH1-6 Tee-Hangars 1 through 6 **A11**
TREC Turf Recreation Exercise Center **D6**
TSWF Transportation Service Wash Facility **G12**
UNIV University Hall **G7**
UPOB Utility Plant Office Building **H11**
UPOF Utility Plant Office Facility **H10**
UPSB Utility Plant Storage Building **G11**
VA1 Veterinary Animal Isolation Building 1 **G10**
VA2 Veterinary Animal Isolation Building 2 **G10**
VCPR Veterinary Center for Paralysis Research **G10**

■ Visitor Information Center (now the Welcome Center — east end of PMU) **H7**
VLAB Veterinary Laboratory Animal Building **G10**
VMIF Veterinary Medicine Isolation Facility **G10**
VOIN Voinoff (Samuel) Golf Pavilion **C1**
VPRB Veterinary Pathobiology Research Building **F, G9, 10**
VPth Veterinary Pathology Building **G9**
WADE Wade (Walter W.) Utility Plant **H11**
WANG Wang (Seng-Liang) Hall **H5**
■ Welcome Center (see PMU) **H7**
WEST Westwood (President's Home) **A5, 6**
WGLR Women's Golf Locker Room **D1**
WSLR Whistler (Roy L.) Hall of Agricultural Research **G8**
WTHR Wetherill (Richard Benbridge) Laboratory of Chemistry **G, H7**
YONG Young (Ernest C.) Hall **H8**
† **ZL1** Combustion Research Laboratory
† **ZL2** Gas Dynamics Research Laboratory
† **ZL3** High Pressure Research Laboratory
† **ZL4** Propulsion Research Laboratory
† **ZL5** Turbomachinery Fluid Dynamics Laboratory

Residence & Dining Facilities

CARY Cary (Franklin Levering) Quadrangle **F4**
* **DUHM** Duhme (Ophelia) Residence Hall **E7**
ERHT Earhart (Amelia) Residence Hall **D7**
FORD Ford (Fred and Mary) Dining Court **F4**
FST First Street Towers **D7**
HARR Harrison (Benjamin) Residence Hall **C7**
HAWK Hawkins (George A.) Hall **H8**
HCRR Honors College and Residences North **E7**
HCRS Honors College and Residences South **E7**
HILL Hillenbrand Residence Hall **C7**
HLTP Hilltop Apartments **E3**
MCUT McCutcheon (John T.) Residence Hall **C7**
MRDH Meredith (Virginia C.) Residence Hall **D7**
OWEN Owen (Richard) Residence Hall **E4**
PVAB Purdue Village Administration Building **D9**
PVCC Purdue Village Community Center **C8**
PVIL Purdue Village **B, C, D8, 9, 10**
PVP Purdue Village Preschool **C9**
* **SHLY** Shealy (Frances M.) Residence Hall **E7**
SHRV Shreve (Eleanor B.) Residence Hall **D6, 7**
SMLY Smalley (John C.) Center for Housing and Food Services Administration **D6, 7**
TARK Tarkington (Newton Booth) Residence Hall **E5**
TSS Third Street Suites **E6**
* **VAWT** Vawter (Everett B.) Residence Hall **E6**
* **WARN** Warren (Martha E. and Eugene K.) Residence Hall **E7**
WDCT Wiley Dining Court **E6**
WILY Wiley (Harvey W.) Residence Hall **E5, 6**
* **WOOD** Wood (Elizabeth G. and William R.) Residence Hall **E7**

Northwest Athletic Complex (C2-3 inset)

BBCH Purdue Baseball Clubhouse
BBPB Purdue Baseball Press Box
SBCH Purdue Softball Clubhouse
SBPB Purdue Softball Press Box
SCHW Schwartz (Dennis J. and Mary Lou) Tennis Center
SOCC Purdue Women's Soccer Building

Parking Garages

Parking garages are for permitted parking during weekdays. Parking becomes free and open to the public on most nights and weekends. The Grant Street garage (PGG) has paid visitor parking at all times. **Visitors may purchase day parking passes in advance at www.purdue.edu/parking. Visitor passes are not valid in the Grant Street garage.**

PGG Parking Garage, Grant Street **H, I7**
PGH Parking Garage, Harrison Street **F9**
PGM Parking Garage, Marsteller Street **G, H8**
PGMD Parking Garage, McCutcheon Drive **C6, 7** (residence hall permit required)
PGNW Parking Garage, Northwestern Avenue **H5**
PGU Parking Garage, University Street **F6, 7**
PGW Parking Garage, Wood Street **H8**

* Windsor Residence Halls

† Part of Maurice J. Zukrow Laboratories

‡ Buildings not appearing on map

PURDUE UNIVERSITY

Purdue Research Park

STEW: Venue
PMU: Dinner on Monday
STDM: Dinner on Tuesday
FRNY: Workshop

LEGEND

- ▲ Emergency phones at street level
- ◆ Emergency phones in subwalks and garages
- One-way street
- Parking garages are permit-only during weekdays, and usually free and open to the public evenings and weekends. (PGMD is residence hall permit-only; PGG has paid visitor parking.)
- Residence facilities
- Under construction