

At-a-Glance Schedule



Conference on Optimization

June 2–5, 2026 • The University of Edinburgh
Edinburgh, United Kingdom

Online Program and Mobile App

Attendees are encouraged to view the Online Program Schedule:

<https://www.siam.org/conferences-events/siam-conferences/op26/program/program-abstracts/>

The Mobile App and Online Program Schedule contain the most up-to-date information.

A searchable abstract document is also posted.

SIAM Events Mobile App



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Monday, June 1

Please note the designated Coffee Break locations and Lunch information below.

Coffee Break Designation

Bracelet Color

- Teal - Marquee
- Black - McEwan Hall
- White - Appleton Tower

Lunch information

If you purchased lunch during the registration process, a separate lunch ticket for each day will be inserted into the back of your badge. Please keep your lunch tickets secure. Lost tickets cannot be replaced due to inventory controls.

Ticket Colors by Day:

- Blue - Tuesday
- Yellow - Wednesday
- Green - Thursday
- Red - Friday

Lunch Pick-up Location:

Marquee, Bristo Square, Teviot Place, EH8 9AG

Tuesday, June 2**Tuesday, June 2**

3:00 p.m. – 8:00 p.m.

Registration

Appleton Tower Concourse

6:00 p.m. – 8:00 p.m.

Welcome Reception

Marquee

Tuesday, June 2

7:00 a.m. – 5:00 p.m.

Registration

Appleton Tower Concourse

8:00 a.m. – 8:15 a.m.

Opening Remarks

McEwan Hall-McEwan Hall Auditorium

8:15 a.m. – 9:00 a.m.

IP1 Optimizing over graphs: Challenges,

Formulations, and Applications

Ruth Misener, Imperial College London, United Kingdom

McEwan Hall-McEwan Hall Auditorium

9:00 a.m. – 9:30 a.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

9:30 a.m. – 11:00 a.m.

Concurrent Sessions

MT1 Fair and Interpretable Resource Allocation and Machine Learning - Part I of II

McEwan Hall-McEwan Hall Auditorium

MS1 Charting the Unknown Unknowns: Modern Challenges in Stochastic and Robust Optimization - Part I of IV

Appleton Tower-Lecture Theater 1

MS2 Optimization and Generalization Foundations of Generative AI Models - Part I of III

Appleton Tower-Lecture Theater 2

MS3 Polynomial and Tensor Optimization in Data Science - Part I of III

Appleton Tower-Lecture Theater 3

MS4 Advanced Methods for Large-scale Nonlinear and Stochastic Optimization - Part I of III

Appleton Tower-Lecture Theater 4

MS5 Learning & Optimization - Part I of IV

Appleton Tower-Lecture Theater 5

MS6 Optimization Methods for LLMs - Part I of II

Appleton Tower Seminar Room 2.07

MS7 Explainability and Interpretability in Optimization - Part I of II

Appleton Tower Seminar Room 2.11

MS8 Discrete Optimization - Part I of III

Appleton Tower Seminar Room 2.12

MS9 Optimization under Complex and Endogenous Uncertainty - Part I of II

Appleton Tower Seminar Room 2.14

MS10 Advances on Optimisation and Data-driven Approaches for Inverse Problems - Part I of IV

Chrystal MacMillan Seminar Room 1

MS11 Geometric Constrained Optimization - Part I of III

Chrystal MacMillan Seminar Room 2

MS12 Advances in Risk-Averse Optimization and Control

Chrystal MacMillan Seminar Room 4

MS13 Optimization and Control of Random PDEs and SDEs - Part I of II

Chrystal MacMillan Seminar Room 5

MS14 Optimization and Learning in Bilevel and Sequential Decision Making - Part I of IV

Business School-Auditorium

MS15 Exploiting Structures in Monotone Inclusion Problems and Applications to Bilevel Optimization - Part I of II

Business School-Lecture Theater 1A

MS16 Advances in Semidefinite Programming for Discrete and Global

Optimization - Part I of III

Business School-Lecture Theater 1B

MS17 Conic Optimization for the Worst-case Analysis of Iterative Methods - Part I of II

Business School-Lecture Theater 2

MS18 Accelerated Methods for Sampling and Optimization - Part I of III

Business School-Lecture Theater 3

MS19 Advances in Structure-Exploiting Methods for Convex and Nonlinear Optimization

50 George Square-G.01

MS20 Continuous Optimization Algorithms on Linear or Nonlinear Spaces

50 George Square-G.02

MS21 Recent Developments in Multiobjective Optimization - Part I of V

50 George Square-G.05

MS22 Frontiers in Computation for Convex Optimization

50 George Square-G.06

MS23 Optimization & Equilibrium Models and Methods in Energy - Part I of II

50 George Square-G.03

MS24 Advances in Nonsmooth and Infinite-Dimensional Optimization: Algorithms, Theory, and Applications - Part I of III

50 George Square-G.04

CP1 Bilevel Optimization and Complementarity Constraints

Chrystal MacMillan Seminar Room 6

CP2 Optimization under Uncertainty

Appleton Tower Seminar Room 2.06

CP3 Splitting and Large Scale Optimization

Appleton Tower Seminar Room 2.05

11:00 a.m. – 11:10 a.m.

Intermission

11:10 a.m. – 12:40 p.m.

Concurrent Sessions

MS25 Optimization with and for Quantum Computers - Part I of V

McEwan Hall-McEwan Hall Auditorium

MS26 Charting the Unknown Unknowns: Modern Challenges in Stochastic and Robust Optimization - Part II of IV

Appleton Tower-Lecture Theater 1

MS27 Advances in Optimization and Machine Learning Applications - Part I of IV

Appleton Tower-Lecture Theater 2

MS28 Polynomial and Tensor Optimization in Data Science - Part II of III

Appleton Tower-Lecture Theater 3

MS29 Advanced Methods for Large-scale Nonlinear and Stochastic Optimization - Part II of III

Appleton Tower-Lecture Theater 4

MS30 Learning & Optimization - Part II of IV

Appleton Tower-Lecture Theater 5

MS31 Nonlinear Optimization in Data-Science

Appleton Tower Seminar Room 2.04

MS32 Optimization Methods for LLMs - Part II of II

Appleton Tower Seminar Room 2.07

MS33 Explainability and Interpretability in Optimization - Part II of II

Appleton Tower Seminar Room 2.11

MS34 Discrete Optimization - Part II of III

Appleton Tower Seminar Room 2.12

Tuesday, June 2

Tuesday, June 2

Tuesday, June 2

MS35 Optimization under Complex and Endogenous Uncertainty - Part II of II

Appleton Tower Seminar Room 2.14

MS36 Advances on Optimisation and Data-driven Approaches for Inverse Problems - Part II of IV

Chrystal MacMillan Seminar Room 1

MS37 Geometric Constrained Optimization - Part II of III

Chrystal MacMillan Seminar Room 2

MS38 Learning-informed Optimization and Control - Part I of IV

Chrystal MacMillan Seminar Room 4

MS39 Optimization and Control of Random PDEs and SDEs - Part II of II

Chrystal MacMillan Seminar Room 5

MS40 Optimization and Learning in Bilevel and Sequential Decision Making - Part II of IV

Business School-Auditorium

MS41 Exploiting Structures in Monotone Inclusion Problems and Applications to Bilevel Optimization - Part II of II

Business School-Lecture Theater 1A

MS42 Advances in Semidefinite Programming for Discrete and Global Optimization - Part II of III

Business School-Lecture Theater 1B

MS43 Conic Optimization for the Worst-case Analysis of Iterative Methods - Part II of II

Business School-Lecture Theater 2

MS44 Accelerated Methods for Sampling and Optimization - Part II of III

Business School-Lecture Theater 3

MS45 Optimization and Decision Analytics for Healthcare Operations

50 George Square-G.01

MS46 Alternative Optimal Solutions: Theory, Tools, and Applications - Part I of III

50 George Square-G.02

MS47 Recent Developments in Multiobjective Optimization - Part II of V

50 George Square-G.05

MS48 Continuous Optimization: Theory and Algorithms - Part I of III

50 George Square-G.06

MS49 Optimization & Equilibrium Models and Methods in Energy - Part II of II

50 George Square-G.03

MS50 Recent Advances in Optimal Diagonal Preconditioning

50 George Square-G.04

CP4 Development and Application of Numerical Methods

Appleton Tower Seminar Room 2.06

CP5 Quadratic Programming

Chrystal MacMillan Seminar Room 6

CP6 Stochastic and Data Science Problems

Appleton Tower Seminar Room 2.05

12:40 p.m. – 2:00 p.m.

Lunch Break

2:00 p.m. – 2:45 p.m.

IP2 Bridging Fast Continuous and Discrete Time

Methods in Convex Optimization and Beyond

Radu Ioan Bot, University of Vienna, Austria

McEwan Hall-McEwan Hall Auditorium

2:45 p.m. – 3:15 p.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

3:15 p.m. – 4:45 p.m.

Concurrent Sessions

MT2 Fair and Interpretable Resource Allocation and Machine Learning - Part II of II

McEwan Hall-McEwan Hall Auditorium

MS51 Charting the Unknown Unknowns: Modern Challenges in Stochastic and Robust Optimization - Part III of IV

Appleton Tower-Lecture Theater 1

MS52 Advances in Optimization and Machine Learning Applications - Part II of IV

Appleton Tower-Lecture Theater 2

MS53 Polynomial and Tensor Optimization in Data Science - Part III of III

Appleton Tower-Lecture Theater 3

MS54 Accelerating Optimization Using GPUs - Part I of II

Appleton Tower-Lecture Theater 4

MS55 Learning & Optimization - Part III of IV

Appleton Tower-Lecture Theater 5

MS56 Advances and New Insights in Optimization and Data Science

Appleton Tower Seminar Room 2.04

MS57 Recent Advances in High-dimensional Stochastic Programming

Appleton Tower Seminar Room 2.07

MS58 Bridging Stochastic Optimization and AI

Appleton Tower Seminar Room 2.11

MS59 Discrete Optimization - Part III of III

Appleton Tower Seminar Room 2.12

MS60 Step Size Selection and Scaling Laws in Large-Scale Optimization - Part I of II

Appleton Tower Seminar Room 2.14

MS61 Optimization Approaches to Nonlinear Inverse Problems in Imaging - Part I of II

Chrystal MacMillan Seminar Room 1

MS62 Geometric Constrained Optimization - Part III of III

Chrystal MacMillan Seminar Room 2

MS63 Learning-informed Optimization and Control - Part II of IV

Chrystal MacMillan Seminar Room 4

MS64 Topics in Stochastic Control and Uncertainty Quantification

Chrystal MacMillan Seminar Room 5

MS65 Optimization and Learning in Bilevel and Sequential Decision Making - Part III of IV

Business School-Auditorium

MS66 Bilevel Optimisation: Methods and Applications with Nonsmooth Terms - Part I of III

Business School-Lecture Theater 1A

MS67 Advances in Semidefinite Programming for Discrete and Global

Optimization - Part III of III

Business School-Lecture Theater 1B

MS68 Conic and Linear Optimization: Theory, Algorithms and Applications - Part I of II

Business School-Lecture Theater 2

MS69 Accelerated Methods for Sampling and Optimization - Part III of III

Business School-Lecture Theater 3

MS70 Bridging Methodology and Impact Through Healthcare Applications - Part I of II

50 George Square-G.01

MS71 Alternative Optimal Solutions: Theory, Tools, and Applications - Part II of III

50 George Square-G.02

MS72 Recent Developments in Multiobjective Optimization - Part III of V

50 George Square-G.05

MS73 Continuous Optimization: Theory and Algorithms - Part II of III

50 George Square-G.06

MS74 Optimization for Energy Systems - Part I of II

50 George Square-G.03

MS75 Advances in Nonsmooth and Infinite-Dimensional Optimization: Algorithms, Theory, and Applications - Part II of III

50 George Square-G.04

CP7 NN and Data-Driven Optimization

Appleton Tower Seminar Room 2.05

CP8 Stochastic Aspects in Optimization

Appleton Tower Seminar Room 2.06

CP9 Mixed Integer Programming

Chrystal MacMillan Seminar Room 6

4:45 p.m. – 4:55 p.m.

Intermission

4:55 p.m. – 6:25 p.m.

Concurrent Sessions

MS76 Optimization with and for Quantum Computers - Part II of V

McEwan Hall-McEwan Hall Auditorium

MS77 Charting the Unknown Unknowns: Modern Challenges in Stochastic and Robust Optimization - Part IV of IV

Appleton Tower-Lecture Theater 1

MS78 Advances in Optimization and Machine Learning Applications - Part III of IV

Appleton Tower-Lecture Theater 2

MS79 Polynomial Optimization: Theory and Applications - Part I of III

Appleton Tower-Lecture Theater 3

MS80 Optimization and Generalization Foundations of Generative AI Models - Part II of III

Appleton Tower-Lecture Theater 4

Tuesday, June 2

Tuesday, June 2

Wednesday, June 3

MS81 Learning & Optimization - Part IV of IV
Appleton Tower-Lecture Theater 5

MS82 Understanding Optimization Dynamics in Machine Learning
Appleton Tower Seminar Room 2.04

MS83 Contextual Stochastic Optimization under Decision Dependency and Streaming Data
Appleton Tower Seminar Room 2.07

MS84 Polynomial Optimization and Optimal Transport
Appleton Tower Seminar Room 2.11

MS85 Optimization and Learning Under Uncertainty with Applications - Part I of II
Appleton Tower Seminar Room 2.12

MS86 Step Size Selection and Scaling Laws in Large-Scale Optimization - Part II of II
Appleton Tower Seminar Room 2.14

MS87 Optimization Approaches to Nonlinear Inverse Problems in Imaging - Part II of II
Chrystal MacMillan Seminar Room 1

MS88 Randomized/Low-Rank Models and Optimization - Part I of III
Chrystal MacMillan Seminar Room 2

MS89 Learning-informed Optimization and Control - Part III of IV
Chrystal MacMillan Seminar Room 4

MS90 Bridging Nonlinear Model Order Reduction and Data-Driven Surrogates - Part I of III
Chrystal MacMillan Seminar Room 5

MS91 Optimization and Learning in Bilevel and Sequential Decision Making - Part IV of IV
Business School-Auditorium

MS92 Bilevel Optimisation: Methods and Applications with Nonsmooth Terms - Part II of III
Business School-Lecture Theater 1A

MS93 Analytic, Geometric, and Algorithmic Advances in Semidefinite and Polynomial Optimization
Business School-Lecture Theater 1B

MS94 Conic and Linear Optimization: Theory, Algorithms and Applications - Part II of II
Business School-Lecture Theater 2

MS95 Symmetry Detection and Handling in Mathematical Optimization
Business School-Lecture Theater 3

MS96 Bridging Methodology and Impact Through Healthcare Applications - Part II of II
50 George Square-G.01

MS97 Alternative Optimal Solutions: Theory, Tools, and Applications - Part III of III
50 George Square-G.02

MS98 Recent Developments in Multiobjective Optimization - Part IV of V
50 George Square-G.05

MS99 Continuous Optimization: Theory and Algorithms - Part III of III
50 George Square-G.06

MS100 Optimization for Energy Systems - Part II of II
50 George Square-G.03

MS101 Advances in Nonsmooth and Infinite-Dimensional Optimization: Algorithms, Theory, and Applications - Part III of III
50 George Square-G.04

CP10 Mixed Integer Programming II
Chrystal MacMillan Seminar Room 6

CP11 Conic and Linear Optimization
Appleton Tower Seminar Room 2.06

CP19 Neural Networks
Appleton Tower Seminar Room 2.05

Wednesday, June 3

7:00 a.m. – 5:00 p.m.

Registration
Appleton Tower Concourse

8:00 a.m. – 8:45 a.m.

IP3 Neural Network Optimization: Global Landscape, Local Structure, and Algorithms
Ruoyu Sun, The Chinese University of Hong Kong (Shenzhen), China
McEwan Hall-McEwan Hall Auditorium

8:45 a.m. – 9:15 a.m.

Coffee Break
Marquee/McEwan Hall/Appleton Tower

9:15 a.m. – 10:45 a.m.

Concurrent Sessions

MT3 Systematic Analysis and Design of First-order Optimization Algorithms Via the Performance Estimation Framework - Part I of II
McEwan Hall-McEwan Hall Auditorium

MS102 Optimization and Learning on Manifolds - Part I of III
Appleton Tower-Lecture Th 1

MS104 Accelerating Optimization Using GPUs - Part II of II
Appleton Tower-Lecture Th 3

MS105 Advanced Methods for Large-scale Nonlinear and Stochastic Optimization - Part III of III
Appleton Tower-Lecture Th 4

MS106 Implicit Bias in Neural Network Optimization - Part I of IV
Appleton Tower-Lecture Th 5

MS107 Operator Scaling and Non-commutative Optimization - Part I of II
Appleton Tower Seminar Room 2.04

MS108 Advances in Equilibrium Problems, Stability, and Game-Theoretic Models
Appleton Tower Seminar Room 2.05

MS109 Optimization of High-Dimensional Stochastic Complex Systems
Appleton Tower Seminar Room 2.07

MS110 New Perspectives on Optimal Transport
Appleton Tower Seminar Room 2.11

MS111 Optimization and Learning Under Uncertainty with Applications - Part II of II
Appleton Tower Seminar Room 2.12

MS112 Stochastic Mixed-Integer Programming - Part I of IV
Appleton Tower Seminar Room 2.14

MS113 Advances on Optimisation and Data-driven Approaches for Inverse Problems - Part III of IV
Chrystal MacMillan Seminar Room 1

MS114 Design Optimization for Electrochemical Systems - Part I of III
Chrystal MacMillan Seminar Room 2

MS115 Learning-informed Optimization and Control - Part IV of IV
Chrystal MacMillan Seminar Room 4

MS116 Synergies Between Optimization, Dynamics and Control - Part I of III
Chrystal MacMillan Seminar Room 5

MS117 Advances in Stochastic, Bilevel, and Distributed Optimization
Business School-Auditorium

MS118 Bilevel Optimisation: Methods and Applications with Nonsmooth Terms - Part III of III
Business School-Lecture Theater 1A

MS119 Convex Algebraic Geometry, Moment Problems, and Applications - Part I of IV
Business School-Lecture Theater 1B

MS120 Recent Advances in the Applications of Conic Programming Relaxations
Business School-Lecture Theater 2

MS121 Inexact and Accelerated Methods for Nonlinear Problems
Business School-Lecture Theater 3

MS122 Complexity of Low-order Optimization Methods
50 George Square-G.01

MS123 Recent Developments in Multiobjective Optimization - Part V of V
50 George Square-G.02

MS124 Algorithmic Design Principles for First-Order Methods
50 George Square-G.05

MS125 Sparsity Guarantee and Cardinality-constrained Optimization Problems - I of IV
50 George Square-G.06

MS126 New Developments in Power Systems Optimization
50 George Square-G.03

MS127 Iterative Linear Algebra Techniques in Optimization - Part I of II
50 George Square-G.04

MS319 New Challenges in Optimization for Machine Learning Part III of III
Appleton Tower-Lecture Th 2

CP12 Optimal Control
Chrystal MacMillan Seminar Room 6

CP13 Stochastic and Robust Optimization I
Appleton Tower Seminar Room 2.06

Wednesday, June 3

Wednesday, June 3

Wednesday, June 3

10:45 a.m. – 10:55 a.m.

Intermission

10:55 a.m. – 12:25 p.m.

Concurrent Sessions

MS128 Optimization with and for Quantum Computers - Part III of V

McEwan Hall-McEwan Hall Auditorium

MS129 Optimization and Learning on Manifolds - Part II of III

Appleton Tower-Lecture Theater 1

MS130 Recent Advancements in Optimization Methods for Machine Learning Part I of V

Appleton Tower-Lecture Theater 2

MS131 Polynomial Optimization: Theory and Applications - Part II of III

Appleton Tower-Lecture Theater 3

MS132 Optimization and Generalization

Foundations of Generative AI Models - Part III of III

Appleton Tower-Lecture Theater 4

MS133 Implicit Bias in Neural Network Optimization - Part II of IV

Appleton Tower-Lecture Theater 5

MS134 Operator Scaling and Non-commutative Optimization - Part II of II

Appleton Tower Seminar Room 2.04

MS135 Optimization, Learning, and Games - Part I of II

Appleton Tower Seminar Room 2.05

MS136 Optimization with Measures - Part I of III

Appleton Tower Seminar Room 2.07

MS137 Optimization over Probability Space

Appleton Tower Seminar Room 2.11

MS138 Frontiers in Bayesian Optimization: Foundations and Algorithms - Part I of IV

Appleton Tower Seminar Room 2.12

MS139 Stochastic Mixed-Integer Programming - Part II of IV

Appleton Tower Seminar Room 2.14

MS140 Advances on Optimisation and Data-driven Approaches for Inverse Problems - Part IV of IV

Chrystal MacMillan Seminar Room 1

MS141 Design Optimization for Electrochemical Systems - Part II of III

Chrystal MacMillan Seminar Room 2

MS142 Advancing PDE-Constrained Optimization: Novel Methods, Modeling, Acceleration, and Geometric Constraints - Part I of III

Chrystal MacMillan Seminar Room 4

MS143 Synergies Between Optimization, Dynamics and Control - Part II of III

Chrystal MacMillan Seminar Room 5

MS144 Recent Advances in Bilevel and Minimax Optimization - Part I of V

Business School-Auditorium

MS145 Game Theory and Equilibrium Problems - Part I of III

Business School-Lecture Theater 1A

MS146 Convex Algebraic Geometry, Moment Problems, and Applications - Part II of IV

Business School-Lecture Theater 1B

MS147 Symmetry and Complexity Reduction in Conic Optimization: Theory and Applications - Part I of III

Business School-Lecture Theater 2

MS148 Mathematical Optimization Solvers for Linear, Nonlinear, and Integer Programming - Part I of III

Business School-Lecture Theater 3

MS149 Advances in Vector and Set-Valued Optimization and Equilibrium Problems - Part I of III

50 George Square-G.02

MS150 Constraint Qualification and Global Convergence

50 George Square-G.05

MS151 Sparsity Guarantee and Cardinality-constrained Optimization Problems - Part II of IV

50 George Square-G.06

MS152 Equilibria and Optimization for Energy: An Appreciation of Andy Philpott - Part I of III

50 George Square-G.03

MS153 Iterative Linear Algebra Techniques in Optimization - Part II of II

50 George Square-G.04

CP14 Optimization in Control Systems and PDE-Constrained Optimization

Chrystal MacMillan Seminar Room 6

CP15 Stochastic and Robust Optimization II

Appleton Tower Seminar Room 2.06

CP16 Multiobjective Optimization

50 George Square-G.01

12:25 p.m. – 1:45 p.m.

Lunch Break

1:00 p.m. – 1:50 p.m.

SIAG/OP Business Meeting

Complimentary refreshments will be served.

McEwan Hall-McEwan Hall Auditorium

2:00 p.m. – 2:45 p.m.

IP4 Reinforcement Learning and Adaptive Subspace Assisted Zeroth-Order Optimization Solvers for Improved Robustness
Stefan Wild, Lawrence Berkeley National Laboratory, U.S.

McEwan Hall-McEwan Hall Auditorium

2:45 p.m. – 3:15 p.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

3:15 p.m. – 4:45 p.m.

Concurrent Sessions

MT4

Systematic Analysis and Design of First-order Optimization Algorithms Via the Performance Estimation Framework - Part II of II

McEwan Hall-McEwan Hall Auditorium

MS154 Optimization and Learning on Manifolds - Part III of III

Appleton Tower-Lecture Theater 1

MS155 Recent Advancements in Optimization Methods for Machine Learning Part II of V

Appleton Tower-Lecture Theater 2

MS156 Polynomial Optimization: Theory and Applications - Part III of III

Appleton Tower-Lecture Theater 3

MS157 SDP Hierarchies and Quantum Computing: Complexity and Approximation

Appleton Tower-Lecture Theater 4

MS158 Implicit Bias in Neural Network

Optimization - Part III of IV

Appleton Tower-Lecture Theater 5

MS159 Optimization under Data-Driven Constraints - Part I of II

Appleton Tower Seminar Room 2.04

MS160 Optimization, Learning, and Games - Part II of II

Appleton Tower Seminar Room 2.05

MS161 Optimization with Measures - Part II of III

Appleton Tower Seminar Room 2.07

MS162 Statistical Optimal Transport

Appleton Tower Seminar Room 2.11

MS163 Frontiers in Bayesian Optimization: Foundations and Algorithms - Part II of IV

Appleton Tower Seminar Room 2.12

MS164 Stochastic Mixed-Integer Programming - Part III of IV

Appleton Tower Seminar Room 2.14

MS165 Bridging Nonlinear Model Order Reduction and Data-Driven Surrogates - Part II of III

Chrystal MacMillan Seminar Room 1

MS166 Randomized/Low-Rank Models and Optimization - Part II of III

Chrystal MacMillan Seminar Room 2

MS167 Advancing PDE-Constrained Optimization: Novel Methods, Modeling, Acceleration, and Geometric Constraints - Part II of III

Chrystal MacMillan Seminar Room 4

MS168 Synergies Between Optimization, Dynamics and Control - Part III of III

Chrystal MacMillan Seminar Room 5

MS169 Advanced in Numerical Linear Algebra for Nonlinear Optimization - Part I of II

Chrystal MacMillan Seminar Room 6

MS170 Recent Advances in Bilevel and Minimax Optimization Part II of V

Business School-Auditorium

MS171 Game Theory and Equilibrium Problems - Part II of III

Business School-Lecture Theater 1A

MS172 Convex Algebraic Geometry, Moment Problems, and Applications - Part III of IV

Business School-Lecture Theater 1B

MS173 Symmetry and Complexity Reduction in Conic Optimization: Theory and Applications - Part II of III

Business School-Lecture Theater 2

Wednesday, June 3

Wednesday, June 3

Thursday, June 4

MS174 Mathematical Optimization Solvers for Linear, Nonlinear, and Integer Programming - Part II of III

Business School-Lecture Theater 3

MS175 CANCELLED: Optimization for Complex Systems: Hierarchy, Networks, and Uncertainty - Part I of II

MS176 Advances in Vector and Set-Valued Optimization and Equilibrium Problems - Part II of III

50 George Square-G.02

MS177 Methods for Nonlinear Optimization

50 George Square-G.05

MS178 Tackling Nonsmoothness: Advanced Methods in Optimization - Part I of II

50 George Square-G.06

MS179 Equilibria and Optimization for Energy: An Appreciation of Andy Philpott - Part II of III

50 George Square-G.03

MS180 Bridging Learning and Variational Methods in Large-Scale Inverse Problems - Part I of II

50 George Square-G.04

CP17 Optimization in Science and Engineering and in Health Care

Appleton Tower Seminar Room 2.06

4:45 p.m. – 4:55 p.m.

Intermission

4:55 p.m. – 6:25 p.m.

Concurrent Sessions

MS181 Optimization with and for Quantum Computers - Part IV of V

McEwan Hall-McEwan Hall Auditorium

MS182 Optimization with Learned Enhancements

Appleton Tower-Lecture Theater 1

MS183 Recent Advancements in Optimization Methods for Machine Learning - Part III of V

Appleton Tower-Lecture Theater 2

MS184 Implicit Deep Learning: Advances and Applications

Appleton Tower-Lecture Theater 3

MS185 Next Generation Methods for Large-scale Nonlinear Optimization Part I of III

Appleton Tower-Lecture Theater 4

MS186 Implicit Bias in Neural Network Optimization - Part IV of IV

Appleton Tower-Lecture Theater 5

MS187 Optimization under Data-Driven Constraints - Part II of II

Appleton Tower Seminar Room 2.04

MS188 Splitting Methods: Theory and Computation

Appleton Tower Seminar Room 2.05

MS189 Optimization with Measures - Part III of III

Appleton Tower Seminar Room 2.07

MS190 Dynamic Optimal Transport

Appleton Tower Seminar Room 2.11

MS191 Frontiers in Bayesian Optimization: Foundations and Algorithms - Part III of IV

Appleton Tower Seminar Room 2.12

MS192 Stochastic Mixed-Integer Programming - Part IV of IV

Appleton Tower Seminar Room 2.14

MS193 Bridging Nonlinear Model Order Reduction and Data-Driven Surrogates - Part III of III

Chrystal MacMillan Seminar Room 1

MS194 Randomized/Low-Rank Models and Optimization - Part III of III

Chrystal MacMillan Seminar Room 2

MS195 Advancing PDE-Constrained Optimization: Novel Methods, Modeling, Acceleration, and Geometric Constraints - Part III of III

Chrystal MacMillan Seminar Room 4

MS196 New Trends on Riemannian Optimization under PDE Constraints Part I of V

Chrystal MacMillan Seminar Room 5

MS197 Advanced in Numerical Linear Algebra for Nonlinear Optimization - Part II of II

Chrystal MacMillan Seminar Room 6

MS198 Recent Advances in Decentralized Optimization

Business School-Auditorium

MS199 Game Theory and Equilibrium Problems - Part III of III

Business School-Lecture Theater 1A

MS200 Convex Algebraic Geometry, Moment Problems, and Applications - Part IV of IV

Business School-Lecture Theater 1B

MS201 Symmetry and Complexity Reduction in Conic Optimization: Theory and Applications - Part III of III

Business School-Lecture Theater 2

MS202 Mathematical Optimization Solvers for Linear, Nonlinear, and Integer Programming - Part III of III

Business School-Lecture Theater 3

MS203 CANCELLED: Optimization for Complex Systems: Hierarchy, Networks, and Uncertainty - Part II of II

Business School-Lecture Theater 3

MS204 Advances in Vector and Set-Valued Optimization and Equilibrium Problems - Part III of III

50 George Square-G.02

MS205 New Horizons in First-order Optimization - Part I of III

50 George Square-G.05

MS206 Tackling Nonsmoothness: Advanced Methods in Optimization - Part II of II

50 George Square-G.06

MS207 Equilibria and Optimization for Energy: An Appreciation of Andy Philpott - Part III of III

50 George Square-G.03

MS208 Bridging Learning and Variational Methods in Large-Scale Inverse Problems - Part II of II

50 George Square-G.04

CP18 Applications: Supply Chain, Resource Allocation and Solar Cells

Appleton Tower Seminar Room 2.06

7:30 a.m. – 5:00 p.m.

Registration

Appleton Tower Concourse

8:00 a.m. – 8:45 a.m.

IP5 Sparse Cutting Planes for Quadratic Non-convex Optimization

Andrea Lodi, Cornell University, U.S.

McEwan Hall-McEwan Hall Auditorium

8:45 a.m. – 9:15 a.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

9:15 a.m. – 10:45 a.m.

Concurrent Sessions

MS209 CANCELLED: New Frontiers in First-Order Optimization for Data Science - Part I of III

MS210 Recent Advances in Polynomial and Tensor Optimization - Part I of II

Appleton Tower-Lecture Theater 1

MS211 Recent Advancements in Optimization Methods for Machine Learning - Part IV of V

Appleton Tower-Lecture Theater 2

MS212 Optimization with and for Quantum Computers - Part V of V

Appleton Tower-Lecture Theater 3

MS213 Next Generation Methods for Large-scale Nonlinear Optimization - Part II of III

Appleton Tower-Lecture Theater 4

MS214 Splitting and Projection-Based Methods for Monotone Inclusions and Convex Optimization - Part I of III

Appleton Tower-Lecture Theater 5

MS215 Advances in Non-Euclidean Optimization

Appleton Tower Seminar Room 2.04

MS216 Measure Transport and Large Population Systems Part I of II

Appleton Tower Seminar Room 2.07

MS217 Recent Advances in Packing and Covering, Combinatorial Optimization and Beyond Part I of II

Appleton Tower Seminar Room 2.11

MS218 Frontiers in Bayesian Optimization: Foundations and Algorithms - Part IV of IV

Appleton Tower Seminar Room 2.12

MS219 Stochastic Optimization: Noise Models, Robustness, and Adaptivity - Part I of II

Appleton Tower Seminar Room 2.14

MS220 Challenges and Recent Advances in Multilevel Optimization - Part I of IV

Chrystal MacMillan Seminar Room 1

MS221 Design Optimization for Electrochemical Systems - Part III of III

Chrystal MacMillan Seminar Room 2

MS222 Advances in PDE-constrained Optimization

Chrystal MacMillan Seminar Room 4

Thursday, June 4

Thursday, June 4

Thursday, June 4

MS223 New Trends on Riemannian Optimization under PDE Constraints - Part II of V

Chrystal MacMillan Seminar Room 5

MS224 Optimization in Metric Spaces

Chrystal MacMillan Seminar Room 6

MS225 Recent Advances in Bilevel and Minimax Optimization - Part III of V

Business School-Auditorium

MS226 Computational Aspects of Polynomial Optimization and Sums of Squares Part I of II

Business School-Lecture Theater 1A

MS227 Linear and Conic Optimization Part I of VI

Business School-Lecture Theater 1B

MS228 Fast Continuous Methods in Network Optimization - Part I of III

Business School-Lecture Theater 2

MS229 Global Optimization Part I of II

Business School-Lecture Theater 3

MS230 Variational Analysis and Algorithms - Part I of IV

50 George Square-G.01

MS231 New Approaches in Vector Optimization and Applications - Part I of II

50 George Square-G.02

MS232 Key Directions in Derivative-Free Optimization - Part I of VII

50 George Square-G.05

MS233 Convex and Nonconvex Nonsmooth Optimization and Applications - Part I of VII

50 George Square-G.06

MS234 Optimization Frameworks for Contemporary Transportation Challenges

50 George Square-G.03

MS235 Recent Advances on Saddle-point Problems with Applications to Machine Learning - Part I of III

50 George Square-G.04

CP20 Applications in Energy and Water

Appleton Tower Seminar Room 2.06

CP21 Computation in Optimization

Appleton Tower Seminar Room 2.05

10:45 a.m. – 10:55 a.m.

Intermission

10:55 a.m. – 12:25 p.m.

Concurrent Sessions

MS236 New Frontiers in First-Order Optimization for Data Science - Part II of III

McEwan Hall-McEwan Hall Auditorium

MS237 CANCELLED Recent Advances in Polynomial and Tensor Optimization - Part II of II

MS238 Recent Advancements in Optimization Methods for Machine Learning - Part V of V

Appleton Tower-Lecture Theater 2

MS239 Quantum Algorithms for Optimization and Sampling

Appleton Tower-Lecture Theater 3

MS240 Next Generation Methods for Large-scale Nonlinear Optimization Part III of III

Appleton Tower-Lecture Theater 4

MS241 Splitting and Projection-Based Methods for Monotone Inclusions and Convex Optimization - Part II of III

Appleton Tower-Lecture Theater 5

MS242 How Optimization Shapes Transformer Behavior and In-Context Learning

Appleton Tower Seminar Room 2.04

MS243 Measure Transport and Large Population Systems Part II of II

Appleton Tower Seminar Room 2.07

MS244 Recent Advances in Packing and Covering, Combinatorial Optimization and Beyond Part II of II

Appleton Tower Seminar Room 2.11

MS245 Stochastic Particle Methods in Global Optimization: Dynamics, Scales, and Control Part I of IV

Appleton Tower Seminar Room 2.12

MS246 Stochastic Optimization: Noise Models, Robustness, and Adaptivity Part II of II

Appleton Tower Seminar Room 2.14

MS247 Challenges and Recent Advances in Multilevel Optimization Part II of IV

Chrystal MacMillan Seminar Room 1

MS248 Recent Advances on Methods and Algorithms for Structural Optimization Part I of III

Chrystal MacMillan Seminar Room 2

MS249 PDE-Constrained Optimization: Theory and Numerics Part I of III

Chrystal MacMillan Seminar Room 4

MS250 New Trends on Riemannian Optimization under PDE Constraints Part III of V

Chrystal MacMillan Seminar Room 5

MS251 Recent Developments in First-order Methods for Function Constrained Optimization Problems

Chrystal MacMillan Seminar Room 6

MS252 Recent Advances in Bilevel and Minimax Optimization Part IV of V

Business School-Auditorium

MS253 Computational Aspects of Polynomial Optimization and Sums of Squares Part II of II

Business School-Lecture Theater 1A

MS254 Linear and Conic Optimization Part II of VI

Business School-Lecture Theater 1B

MS255 Fast Continuous Methods in Network Optimization Part II of III

Business School-Lecture Theater 2

MS256 Global Optimization Part II of II

Business School-Lecture Theater 3

MS257 Variational Analysis and Algorithms Part II of IV

50 George Square-G.01

MS258 New Approaches in Vector Optimization and Applications - Part II of II

50 George Square-G.02

MS259 Key Directions in Derivative-Free Optimization - Part II of VI

50 George Square-G.05

MS260 Convex and Nonconvex Nonsmooth Optimization and Applications - Part II of VII

50 George Square-G.06

MS261 Optimization Over Stochastic Dynamical Systems for Social Good Applications

50 George Square-G.03

MS262 Recent Advances on Saddle-point Problems with Applications to Machine Learning - Part II of III

50 George Square-G.04

CP22 Numerical Methods

Appleton Tower Seminar Room 2.05

CP23 Scheduling Problems

Appleton Tower Seminar Room 2.06

12:25 p.m. – 1:45 p.m.

Lunch Break

1:45 p.m. – 2:15 p.m.

SP1 SIAG/OPT Early Career Prize Lecture: Seminal Contributions Both in Optimization and in Other Fields Through Optimization

Jason Altschuler, New York University, U.S.

McEwan Hall-McEwan Hall Auditorium

2:15 p.m. – 2:45 p.m.

SP2 SIAG/OPT Best Paper Prize Lecture: Benign Landscapes of Low-Dimensional Relaxations for Orthogonal Synchronization on General Graphs

Andrew D. McRae, CERMICS, Ecole Nationale des

Ponts et Chaussees, France

McEwan Hall-McEwan Hall Auditorium

2:45 p.m. – 3:15 p.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

3:15 p.m. – 4:45 p.m.

Concurrent Sessions

MS263 Learning Optimization Algorithms - Part I of II

McEwan Hall-McEwan Hall Auditorium

MS264 Tensor and Polynomial Optimization: Theory and Practice - Part I of IV

Appleton Tower-Lecture Theater 1

MS265 New Challenges in Optimization for Machine Learning - Part I of III

Appleton Tower-Lecture Theater 2

MS266 Optimization for Scientific Imaging - Part I of II

Appleton Tower-Lecture Theater 3

MS267 Mathematical Optimization + Machine Learning: Explainability and Uncertainty in Decision Making - Part I of IV

Appleton Tower-Lecture Theater 4

MS268 Splitting and Projection-Based Methods for Monotone Inclusions and Convex Optimization - Part III of III

Appleton Tower-Lecture Theater 5

Thursday, June 4

Thursday, June 4

Thursday, June 4

MS269 Optimization Issues in Physics-Informed Machine Learning - Part I of II

Appleton Tower Seminar Room 2.04

MS270 Adjustable Robust Optimization: Algorithms and Applications - Part I of II

Appleton Tower Seminar Room 2.07

MS271 Learning-based Approaches for Solving Combinatorial Optimization - Part I of II

Appleton Tower Seminar Room 2.11

MS272 Stochastic Particle Methods in Global Optimization: Dynamics, Scales, and Control - Part II of IV

Appleton Tower Seminar Room 2.12

MS273 Stochastic Combinatorial Optimization - Part I of V

Appleton Tower Seminar Room 2.14

MS274 Challenges and Recent Advances in Multilevel Optimization - Part III of IV

Chrystal MacMillan Seminar Room 1

MS275 Recent Advances on Methods and Algorithms for Structural Optimization - Part II of III

Chrystal MacMillan Seminar Room 2

MS276 PDE-Constrained Optimization: Theory and Numerics - Part II of III

Chrystal MacMillan Seminar Room 4

MS277 New Trends on Riemannian Optimization under PDE Constraints - Part IV of V

Chrystal MacMillan Seminar Room 5

MS278 Recent Advances in Nonsmooth Computational Mechanics from the Perspective of Optimization Part I of II

Chrystal MacMillan Seminar Room 6

MS279 Recent Advances in Bilevel and Minimax Optimization - Part V of V

Business School-Auditorium

MS280 Bilevel Optimization: Theory, Algorithms, and Applications - Part I of III

Business School-Lecture Theater 1A

MS281 Linear and Conic Optimization - Part III of VI

Business School-Lecture Theater 1B

MS282 Fast Continuous Methods in Network Optimization - Part III of III

Business School-Lecture Theater 2

MS283 Mixed-Integer Nonlinear Optimization: Advances, Applications and Challenges

Business School-Lecture Theater 3

MS284 Variational Analysis and Algorithms - Part III of IV

50 George Square-G.01

MS285 Optimization Under Preference Ambiguity

50 George Square-G.02

MS286 Key Directions in Derivative-Free Optimization - Part III of VI

50 George Square-G.05

MS287 Convex and Nonconvex Nonsmooth Optimization and Applications - Part III of VII

50 George Square-G.06

MS288 Emerging Networked Infrastructure Optimization Models and Applications - Part I of II

50 George Square-G.03

MS289 Recent Advances on Saddle-point Problems with Applications to Machine Learning - Part III of III

50 George Square-G.04

CP24 Applications in Control, Mechanical Systems and Engineering

Appleton Tower Seminar Room 2.06

CP25 Unconstrained Optimization and Proximal Type Algorithms

Appleton Tower Seminar Room 2.05

.....
4:45 p.m. – 4:55 p.m.

Intermission

.....
4:55 p.m. – 6:25 p.m.

Concurrent Sessions

MS290 CANCELLED: New Frontiers in First-Order Optimization for Data Science - Part III of III

MS291 Tensor and Polynomial Optimization: Theory and Practice - Part II of IV

Appleton Tower-Lecture Theater 1

MS292 New Challenges in Optimization for Machine Learning - Part II of III

Appleton Tower-Lecture Theater 2

MS293 Optimization for Scientific Imaging - Part II of II

Appleton Tower-Lecture Theater 3

MS294 Mathematical Optimization + Machine Learning: Explainability and Uncertainty in Decision Making - Part II of IV

Appleton Tower-Lecture Theater 4

MS295 Data-driven Analysis and Design of First Order Methods for Convex Optimization - Part I of III

Appleton Tower-Lecture Th5

MS296 Optimization Issues in Physics-Informed Machine Learning- Part II of II

Appleton Tower Seminar Room 2.04

MS297 Adjustable Robust Optimization: Algorithms and Applications - Part II of II

Appleton Tower Seminar Room 2.07

MS298 Learning-based Approaches for Solving Combinatorial Optimization - Part II of II

Appleton Tower Seminar Room 2.11

MS299 Stochastic Particle Methods in Global Optimization: Dynamics, Scales, and Control - Part III of IV

Appleton Tower Seminar Room 2.12

MS300 Stochastic Combinatorial Optimization Part II of V

Appleton Tower Seminar Room 2.14

MS301 Challenges and Recent Advances in Multilevel Optimization - Part IV of IV

Chrystal MacMillan Seminar Room 1

MS302 Recent Advances on Methods and Algorithms for Structural Optimization - Part III of III

Chrystal MacMillan Seminar Room 2

MS303 PDE-Constrained Optimization: Theory and Numerics - Part III of III

Chrystal MacMillan Seminar Room 4

MS304 New Trends on Riemannian Optimization under PDE Constraints - Part V of V

Chrystal MacMillan Seminar Room 5

MS305 Recent Advances in Nonsmooth Computational Mechanics from the Perspective of Optimization - Part II of II

Chrystal MacMillan Seminar Room 6

MS306 Advances in Distributed Optimization: Nonsmoothness, Noise, and Local Steps Business School-Auditorium

MS307 Bilevel Optimization: Theory, Algorithms, and Applications - Part II of III

Business School-Lecture Theater 1A

MS308 Linear and Conic Optimization Part IV of VI

Business School-Lecture Theater 1B

MS309 The Interplay Between Optimization on Matrix Manifolds and Eigenvalue Computation - Part I of II

Business School-Lecture Theater 2

MS310 Mixed Integer Optimization: Convexifications and Algorithms- Part I of V

Business School-Lecture Theater 3

MS311 Variational Analysis and Algorithms Part IV of IV

50 George Square-G.01

MS312 Topics in Sparse Optimization

50 George Square-G.02

MS313 Key Directions in Derivative-Free Optimization - Part IV of VI

50 George Square-G.05

MS314 Convex and Nonconvex Nonsmooth Optimization and Applications - Part IV of VII

50 George Square-G.06

MS315 Emerging Networked Infrastructure Optimization Models and Applications - Part II of II

50 George Square-G.03

MS316 AI- and Computer-Assisted Optimization -Part I of II

50 George Square-G.04

CP26 Applications of Optimization

Appleton Tower Seminar Room 2.06

CP27 Constrained Optimization

Appleton Tower Seminar Room 2.05

Friday, June 5

Friday, June 5

Friday, June 5

7:30 a.m. – 4:30 p.m.

Registration

Appleton Tower Concourse

8:00 a.m. – 8:30 a.m.

SP3 SIAM Activity Group on Optimization

Test of Time Award Lecture: Ipopt, a Nonlinear Optimization Solver

Andreas J. Waechter, Northwestern University, U.S.
McEwan Hall-McEwan Hall Auditorium

8:30 a.m. – 9:00 a.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

9:00 a.m. – 10:30 a.m.

Concurrent Sessions

MS103 Advances in Optimization and Machine Learning Applications - Part IV of IV

50 George Square-G.04

MS317 Randomized Algorithms for Optimization and Machine Learning Part I of III

McEwan Hall-McEwan Hall Auditorium

MS318 Tensor and Polynomial Optimization: Theory and Practice Part III of IV

Appleton Tower-Lecture Theater 1

MS320 Learning Scientific Models from Data Part I of IV

Appleton Tower-Lecture Theater 3

MS321 Mathematical Optimization + Machine Learning: Explainability and Uncertainty in Decision Making Part III of IV

Appleton Tower-Lecture Theater 4

MS322 Data-driven Analysis and Design of First Order Methods for Convex Optimization - Part II of III

Appleton Tower-Lecture Theater 5

MS323 Dynamical Perspectives and Splitting Techniques for Nonsmooth

Optimization - Part I of IV

Appleton Tower Seminar Room 2.04

MS324 Advances in Nonsmooth, Nonconvex, and Stochastic Optimization - Part I of III

Appleton Tower Seminar Room 2.07

MS325 Optimal Transport: Aligning Geometry, Analysis, Statistics for Machine Learning - Part I of II

Appleton Tower Seminar Room 2.11

MS326 Stochastic Particle Methods in Global Optimization: Dynamics, Scales, and Control - Part IV of IV

Appleton Tower Seminar Room 2.12

MS327 Stochastic Combinatorial Optimization - Part III of V

Appleton Tower Seminar Room 2.14

MS328 Distance Geometry and Optimization: Models, Algorithms, and Applications - Part I of II

Crystall MacMillan Seminar Room 1

MS329 Structure-Preserving Optimization

Crystall MacMillan Seminar Room 2

MS330 PDE-Constrained Optimization - Part I of IV

Crystall MacMillan Seminar Room 4

MS331 Polynomial Optimization and Control - Part I of IV

Crystall MacMillan Seminar Room 5

MS332 Data, Models, and Gradients: Learning to Optimise and Beyond - Part I of II

Crystall MacMillan Seminar Room 6

MS333 Interdisciplinary Advances in Bilevel Programming: from Analysis to Operations - Part I of IV

Business School-Auditorium

MS334 CANCELLED: Hierarchical Optimization in Dynamic Programming: Breaking Complexity Barriers in Search Tree Construction - Part I of II

MS335 Linear and Conic Optimization - Part V of VI

Business School-Lecture Theater 1B

MS336 The Interplay Between Optimization on Matrix Manifolds and Eigenvalue Computation - Part II of II

Business School-Lecture Theater 2

MS337 Mixed Integer Optimization: Convexifications and Algorithms - Part II of V

Business School-Lecture Theater 3

MS338 Multi-Hazard Modeling Impacts for Electric Infrastructure Expansion Planning

50 George Square-G.01

MS339 Nonlinear Optimization Methods and Applications Part I of IV

50 George Square-G.02

MS340 Key Directions in Derivative-Free Optimization Part V of VI

50 George Square-G.05

MS341 Convex and Nonconvex Nonsmooth Optimization and Applications - Part V of VII

50 George Square-G.06

MS342 Mathematical Optimisation in Julia - Part I of II

50 George Square-G.03

MS343 CANCELLED: AI- and Computer-Assisted Optimization - Part II of II

MS423 Recent Advances on the Quadratic Knapsack Problem

Business School-Lecture Theater 1A

CP28 Set-Valued Optimization and Duality

Appleton Tower Seminar Room 2.06

CP29 Convex Programming

Appleton Tower Seminar Room 2.05

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10:30 a.m. – 10:40 a.m.

Intermission

10:40 a.m. – 12:10 p.m.

Concurrent Sessions

MS344 Randomized Algorithms for Optimization and Machine Learning - Part II of III

McEwan Hall-McEwan Hall Auditorium

MS345 Tensor and Polynomial Optimization: Theory and Practice Part IV of IV

Appleton Tower-Lecture Theater 1

MS346 Methods and Applications in Optimization and AI - Part I of III

Appleton Tower-Lecture Theater 2

MS347 Learning Scientific Models from Data - Part II of IV

Appleton Tower-Lecture Theater 3

MS348 Mathematical Optimization + Machine Learning: Explainability and Uncertainty in Decision Making - Part IV of IV

Appleton Tower-Lecture Theater 4

MS349 Data-driven Analysis and Design of First Order Methods for Convex Optimization - Part III of III

Appleton Tower-Lecture Theater 5

MS350 Dynamical Perspectives and Splitting Techniques for Nonsmooth

Optimization - Part II of IV

Appleton Tower Seminar Room 2.04

MS351 Advances in Nonsmooth, Nonconvex, and Stochastic Optimization - Part II of III

Appleton Tower Seminar Room 2.07

MS352 Optimal Transport: Aligning Geometry, Analysis, Statistics for Machine Learning - Part II of II

Appleton Tower Seminar Room 2.11

MS353 Optimization of Complex Systems under Uncertainty: Formulations, Algorithms, and Analysis Part I of III

Appleton Tower Seminar Room 2.12

MS354 CANCELLED: Advances in Approximating Markov Decision Processes

MS355 Distance Geometry and Optimization: Models, Algorithms, and Applications - Part II of II

Crystall MacMillan Seminar Room 1

MS356 Optimization with Learned Geometric Structure - Part I of III

Crystall MacMillan Seminar Room 2

MS357 PDE-Constrained Optimization - Part II of IV

Crystall MacMillan Seminar Room 4

MS358 Polynomial Optimization and Control - Part II of IV

Crystall MacMillan Seminar Room 5

MS359 Data, Models, and Gradients: Learning to Optimise and Beyond - Part II of II

Crystall MacMillan Seminar Room 6

MS360 Interdisciplinary Advances in Bilevel Programming: from Analysis to Operations - Part II of IV

Business School-Auditorium

Friday, June 5

MS361 CANCELLED: Hierarchical Optimization in Dynamic Programming: Breaking Complexity Barriers in Search Tree Construction - Part II of II
MS362 Linear and Conic Optimization - Part VI of VI
Business School-Lecture Theater 1B
MS363 Non-Convex Quadratic Optimization - Part I of III
Business School-Lecture Theater 2
MS364 Mixed Integer Optimization: Convexifications and Algorithms Part III of V
Business School-Lecture Theater 3
MS365 Stochastic Optimization in Emerging Operations Management
50 George Square-G.01
MS366 Nonlinear Optimization Methods and Applications Part II of IV
50 George Square-G.02
MS367 Key Directions in Derivative-Free Optimization Part VI of VI
50 George Square-G.05
MS368 Convex and Nonconvex Nonsmooth Optimization and Applications -Part VI of VII
50 George Square-G.06
MS369 Mathematical Optimisation in Julia Part II of II
50 George Square-G.03
MS370 Variational Analysis and Applications Part I of III
50 George Square-G.04
CP30 Multiobjective Optimization II
Appleton Tower Seminar Room 2.05
CP31 Equilibrium Problems
Appleton Tower Seminar Room 2.06
CP39 Dynamic Programming
Business School-Lecture Theater 1A

12:10 p.m. – 1:30 p.m.

Lunch Break

1:30 p.m. – 2:20 p.m.

IP6 Algorithmic Frontiers in Linear Optimization
 Laura Sanita, Bocconi University, Italy
McEwan Hall-McEwan Hall Auditorium

2:20 p.m. – 2:50 p.m.

Coffee Break

Marquee/McEwan Hall/Appleton Tower

2:50 p.m. – 4:20 p.m.

Concurrent Sessions

MS371 Randomized Algorithms for Optimization and Machine Learning - Part III of III
McEwan Hall-McEwan Hall Auditorium
MS372 Large-Scale Nonsmooth Optimization: Algorithms, Theory, and GPU Acceleration Part I of II
Appleton Tower-Lecture Th 1

Friday, June 5

MS373 Methods and Applications in Optimization and AI - Part II of III
Appleton Tower-Lecture Th 2
MS374 Learning Scientific Models from Data Part III of IV
Appleton Tower-Lecture Th 3
MS375 Structural Optimization Methods for Deep Learning and Language Models - Part I of II
Appleton Tower-Lecture Th 4
MS376 Global Optimization for Neural Networks – Part I of II
Appleton Tower-Lecture Th5
MS377 Dynamical Perspectives and Splitting Techniques for Nonsmooth Optimization Part III of IV
Appleton Tower Seminar Room 2.04
MS378 Advances in Nonsmooth, Nonconvex, and Stochastic Optimization - Part III of III
Appleton Tower Seminar Room 2.07
MS379 Optimization of Complex Systems under Uncertainty: Formulations, Algorithms, and Analysis - Part II of III
Appleton Tower Seminar Room 2.12
MS380 Stochastic Combinatorial Optimization - Part IV of V
Appleton Tower Seminar Room 2.14
MS381 Convergence Guarantees for Data-driven Methods in Inverse Problems
Chrystal MacMillan Seminar Room 1
MS382 Optimization with Learned Geometric Structure - Part II of III
Chrystal MacMillan Seminar Room 2
MS383 PDE-Constrained Optimization - Part III of IV
Chrystal MacMillan Seminar Room 4
MS384 Polynomial Optimization and Control - Part III of IV
Chrystal MacMillan Seminar Room 5
MS385 Interplay of Optimization and Dynamical Systems Theory - Part I of II
Chrystal MacMillan Seminar Room 6
MS386 Interdisciplinary Advances in Bilevel Programming: from Analysis to Operations - Part III of IV
Business School-Auditorium
MS387 Bilevel Optimization: Theory, Algorithms, and Applications - Part III of III
Business School-Lecture Theater 1A
MS388 Advances in Modern Conic Optimization
Business School-Lecture Theater 1B
MS389 Non-Convex Quadratic Optimization - Part II of III
Business School-Lecture Theater 2
MS390 Mixed Integer Optimization: Convexifications and Algorithms - Part IV of V
Business School-Lecture Theater 3
MS391 Mathematics of Stationary Gas Network Optimization
50 George Square-G.01

Friday, June 5

MS392 Nonlinear Optimization Methods and Applications - Part III of IV
50 George Square-G.02
MS393 New Horizons in First-order Optimization Part II of III
50 George Square-G.05
MS394 Convex and Nonconvex Nonsmooth Optimization and Applications -Part VII of VII
50 George Square-G.06
MS395 Variational Analysis and Applications - Part II of III
50 George Square-G.03
MS396 Sparsity Guarantee and Cardinality-constrained Optimization Problems - Part III of IV
50 George Square-G.04
CP32 Derivative-Free and Black-Box Optimization and Noise Robustness
Appleton Tower Seminar Room 2.06
CP33 Equilibrium Problems and Games
Appleton Tower Seminar Room 2.05
CP34 Integer and Combinatorial Optimization
Appleton Tower Seminar Room 2.11

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4:20 p.m. – 4:30 p.m.
 Intermission

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4:30 p.m. – 6:00 p.m.
Concurrent Sessions
MS397 Learning Optimization Algorithms - Part II of II
McEwan Hall-McEwan Hall Auditorium
MS398 Large-Scale Nonsmooth Optimization: Algorithms, Theory, and GPU Acceleration - Part II of II
Appleton Tower-Lecture Theater 1
MS399 CANCELLED: Methods and Applications in Optimization and AI - Part III of III
MS400 Learning Scientific Models from Data - Part IV of IV
Appleton Tower-Lecture Theater 3
MS401 Structural Optimization Methods for Deep Learning and Language Models - Part II of II
Appleton Tower-Lecture Theater 4
MS402 Global Optimization for Neural Networks - Part II of II
Appleton Tower-Lecture Theater 5
MS403 Dynamical Perspectives and Splitting Techniques for Nonsmooth Optimization - Part IV of IV
Appleton Tower Seminar Room 2.04
MS404 AI-Native and Quantum-Inspired Optimization for Financial Systems
Appleton Tower Seminar Room 2.06
MS405 Optimization of Complex Systems under Uncertainty: Formulations, Algorithms, and Analysis - Part III of III
Appleton Tower Seminar Room 2.12
MS406 Stochastic Combinatorial Optimization - Part V of V
Appleton Tower Seminar Room 2.14

Friday, June 5

MS407 Recent Advancements in Inverse Optimization
Chrystal MacMillan Seminar Room 1

MS408 Optimization with Learned Geometric Structure - Part III of III
Chrystal MacMillan Seminar Room 2

MS409 PDE-Constrained Optimization - Part IV of IV
Chrystal MacMillan Seminar Room 4

MS410 Polynomial Optimization and Control - Part IV of IV
Chrystal MacMillan Seminar Room 5

MS411 Interplay of Optimization and Dynamical Systems Theory - Part II of II
Chrystal MacMillan Seminar Room 6

MS412 Interdisciplinary Advances in Bilevel Programming: from Analysis to Operations - Part IV of IV
Business School-Auditorium

MS413 Bilevel Optimization and Its Applications to Machine Learning
Business School-Lecture Theater 1A

MS415 Non-Convex Quadratic Optimization - Part III of III
Business School-Lecture Theater 2

MS416 Mixed Integer Optimization: Convexifications and Algorithms - Part V of V
Business School-Lecture Theater 3

Friday, June 5

MS417 Tolls in Flows Over Time
50 George Square-G.01

MS418 Nonlinear Optimization Methods and Applications -Part IV of IV
50 George Square-G.02

MS419 New Horizons in First-order Optimization - Part III of III
50 George Square-G.05

MS420 Recent Results in Interior-point Algorithms
50 George Square-G.06

MS421 Variational Analysis and Applications - Part III of III
50 George Square-G.03

MS422 Sparsity Guarantee and Cardinality-constrained Optimization Problems - Part IV of IV
50 George Square-G.04

CP35 Combinatorial Optimization
Appleton Tower Seminar Room 2.11

CP36 Nonlinear Optimization
Appleton Tower Seminar Room 2.05

CP37 Stochastic Optimization
Appleton Tower Seminar Room 2.07

CP38 Semidefinite and Conic Programs
Business School Lecture Theater 1B

Friday, June 5

Abbreviation Key

CP = Contributed Presentation Session
IP = Invited Plenary Speaker
MS = Minisymposium
MT = Minitutorial
PP = Poster Session
SP= Special Lecture

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Stop by and chat with Executive Editor Elizabeth Greenspan.

Exhibitor Hours

Tuesday 6/2 through Thursday 6/4

9:00 a.m. – 4:30 p.m.

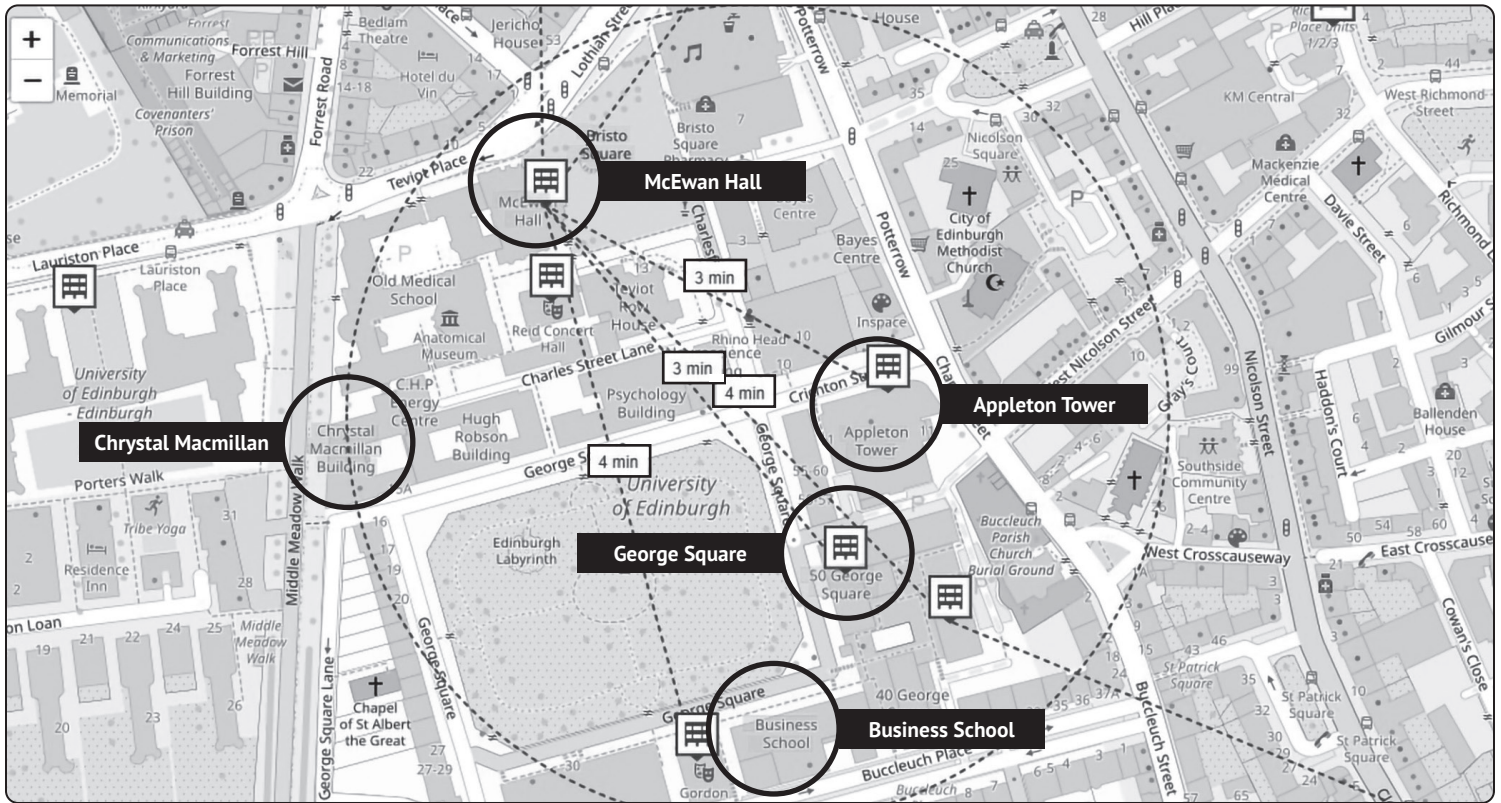
Friday 6/5

9:00 a.m. – 3:00 p.m.

Thank you to our Sponsors**Thank you to our Funding Agency****FUNDING AGENCY**

SIAM and the Organizing Committee wish to extend their thanks and appreciation to the U.S. National Science Foundation for their support of this conference.

The University of Edinburgh Campus Map and Room Locations



Conference Room Locations

- 50 George Square
- 50 George Square-G.01 — Ground Floor
- 50 George Square-G.02 — Ground Floor
- 50 George Square-G.03 — Ground Floor
- 50 George Square-G.04 — Ground Floor
- 50 George Square-G.05 — Ground Floor
- 50 George Square-G.06 — Ground Floor

Appleton Tower

- Appleton Tower Seminar Room 2.04 — 2nd Floor
- Appleton Tower Seminar Room 2.05 — 2nd Floor
- Appleton Tower Seminar Room 2.06 — 2nd Floor
- Appleton Tower Seminar Room 2.07 — 2nd Floor
- Appleton Tower Seminar Room 2.11 — 2nd Floor
- Appleton Tower Seminar Room 2.12 — 2nd Floor
- Appleton Tower Seminar Room 2.14 — 2nd Floor
- Appleton Tower-Lecture Theater 1 — Ground Floor
- Appleton Tower-Lecture Theater 2 — Ground Floor
- Appleton Tower-Lecture Theater 3 — Ground Floor
- Appleton Tower-Lecture Theater 4 — Mezzanine
- Appleton Tower-Lecture Theater 5 — Mezzanine

Business School

- Business School-Auditorium — Ground Floor
- Business School-Lecture Theater 1A — Lower Ground
- Business School-Lecture Theater 1B — Lower Ground
- Business School-Lecture Theater 2 — Lower Ground
- Business School-Lecture Theater 3 — Lower Ground

Chrystal Macmillan

- Chrystal Macmillan Seminar Room 1 — Ground Floor
- Chrystal Macmillan Seminar Room 2 — Ground Floor
- Chrystal Macmillan Seminar Room 4 — Basement
- Chrystal Macmillan Seminar Room 5 — Basement
- Chrystal Macmillan Seminar Room 6 — Basement

McEwan Hall

- McEwan Hall-McEwan Hall Auditorium — Ground floor