

Dagstuhl Seminar 26041
Uncertainty Quantification in Multiobjective Optimization
Program – Monday, January 19, 2026

09:00 – 10:30: Welcome Session

- Welcome and introduction
- Short presentation of all participants (2 minutes each!)

Coffee Break

11:00 – 12:00: Setting the Scene I Chair: Richard Allmendinger

- Christine Currie: Multiobjective optimization under uncertainty
- Salvatore Greco and Roman Slowinski: Handling uncertainty of preference representation in multi-objective optimization

Lunch

14:00 – 15:00: Setting the Scene II Chair: Richard Allmendinger

- Susan Hunter: Representations under uncertainty
- Mickaël Binois and Sebastian Rojas Gonzalez: An overview of surrogate-based multi-objective optimization for stochastic simulators

15:00 – 15:30: Discussion: main seminar themes

Coffee Break

16:00 – 16:30: Group Formation

16:30 – 17:45: Working Groups

18:00 – Dinner

Dagstuhl Seminar 26041
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09:00 – 09:30: Status Update on Large Working Groups Chair: TBA

09:30 – 10:30: Small Working Groups

Coffee Break

11:00 – 12:00: Quick Overviews Chair: TBA

- Sara Ben Amor: Uncertainties and representations in multi-criteria decision-making/aiding
- Jürgen Branke: Performance Metrics for Multi-Objective Optimisation Under Noise
- Anita Schöbel: Overview of Multiobjective Robust Optimization
- Marlon Braun: Balancing inventory costs and availability with uncertain and infrequent demand in spare parts supply chain management

Lunch

14:00 – 15:30: Small Working Groups

Coffee Break

16:00 – 17:00: Small Working Groups

17:00 – 17:45: Reporting from Small Working Groups Chair: TBA

- General discussion

18:00 – Dinner

Dagstuhl Seminar 26041
Uncertainty Quantification in Multiobjective Optimization
Program – Wednesday, January 21, 2026

TBA

Dagstuhl Seminar 26041
Uncertainty Quantification in Multiobjective Optimization
Program – Thursday, January 22, 2026

TBA

Dagstuhl Seminar 26041
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Program – Friday, January 23, 2026

09:00 – 10:30: Final Reporting from Working Groups

Coffee Break

11:00 – 12:00: Closing Session

Lunch