



# Winner



## 1-Objective Track Black Box Optimization Competition (BBComp)

795.529 points



*Nacim Belkhir*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 2nd Place



## 1-Objective Track Black Box Optimization Competition (BBComp)

651.518 points



*Aleksey Vaneev*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## 1-Objective Track Black Box Optimization Competition (BBComp)

649.493 points



*Radka Polakova*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## 1-Obj. expensive Track Black Box Optimization Competition (BBComp)

934.769 points



*Artelys Knitro*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 2nd Place



## 1-Obj. expensive Track Black Box Optimization Competition (BBComp)

732.135 points



*Nacim Belkhir*

*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## 1-Obj. expensive Track Black Box Optimization Competition (BBComp)

585.603 points



*Aleksey Vaneev*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## 2-Objective Track Black Box Optimization Competition (BBComp)

476.885 points



*Nacim Belkhir*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## 2-Obj. expensive Track Black Box Optimization Competition (BBComp)

354.198 points



*Thomas Wortmann, Roger Ko, Chu Wy Ton*

*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze, Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs





# Winner



## 3-Objective Track Black Box Optimization Competition (BBComp)

480.351 points



*Nacim Belkhir*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions  
Chair

Prague, Czech Republic  
July 13-17, 2019

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*Thomas Stützle Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## Internet of Things: Online Anomaly Detection for Drinking Water Quality



ACM Special Interest Group for  
Genetic and Evolutionary Computation



*Victor H. A. Ribeiro - PUCPR*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# 2nd Place



## Internet of Things: Online Anomaly Detection for Drinking Water Quality



*Gia Thuan Lam - Frankfurt University of Applied Sciences*

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*M. Wagner*

---

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze Anne Auger*

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Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## Internet of Things: Online Anomaly Detection for Drinking Water Quality



*Joel Stein - Frankfurt University of Applied Sciences*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# Winner



## Competition on Niching Methods for Multimodal Optimization

algorithm: HillValIEA19



*S.C. Maree, T. Alderliesten, P.A.N. Bosman, Amsterdam UMC, and  
Centrum Wiskunde & Informatica, Amsterdam, The Netherlands*

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*M. Wagner*

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Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützle Anne Auger*

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Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 2nd Place



## Competition on Niching Methods for Multimodal Optimization

algorithm: ANBNWI-DE



*Jun-ichi Kushida, Hiroshima City University, Japan*

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*M. Wagner*

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Markus Wagner  
GECCO 2019 Competitions Chair

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July 13-17, 2019

*Thomas Stützle Anne Auger*

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Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## Competition on Niching Methods for Multimodal Optimization



*Jonathan Fieldsend, Exeter University, UK*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

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Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## Evolutionary Computation in Uncertain Environments: A Smart Grid Application

algorithm: VNS-DEEPSO  
rank index 63.95



*P. García, D. Rodríguez, D. Álvarez, S. Rivera, A. Guzman, A. Bretas, J. Romero -  
Universidad Nacional, University of Florida, GERS, JEA*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützle, Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs





# 2nd Place



## Evolutionary Computation in Uncertain Environments: A Smart Grid Application

algorithm: HL\_PS\_VNSO  
rank index 84.10



*Dharmesh A. Dabhi; Kartik S. Pandya - Dept. of  
Electrical Eng., CSPIT, CHARUSAT*

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*M. Wagner*

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Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützle Anne Auger*

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Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## Evolutionary Computation in Uncertain Environments: A Smart Grid Application

algorithm: GM\_VNPSO  
rank index 86.58



*Kartik S. Pnadya, Jigar A. Sarda, Miss. Margi Shah*  
*- Dept. of Electrical Eng., CSPIT, CHARUSAT*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützle* *Anne Auger*

Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs



# Winner



## Bi-objective Traveling Thief Competition

### Team HPI: 26 points

*Tobias Friedrich, Philipp Fischbeck, Lukas Behrendt, Freya Behrens, Rachel Brabender, Markus Brand, Erik Brendel, Tim Cech, Wilhelm Friedemann, Hans Gawendowicz, Merlin de la Haye, Pius Ladenburger, Julius Lischeid, Alexander Löser, Marcus Pappik, Jannik Peters, Fabian Pottbäcker, David Stangl, Daniel Stephan, Michael Vaichenker, Anton Weltzien, Marcus Wilhelm*

*Hasso Plattner Institut*

*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# 2nd Place



## Bi-objective Traveling Thief Competition

### Team JoMar: 14 points

*Jonatas Batista Costa das Chagas*  
*Marcone Jamilson Freitas Souza*

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*M. Wagner*

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Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze* *Anne Auger*

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Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## Bi-objective Traveling Thief Competition

### Team NTGA: 5 points

*Maciej Laszczyk  
Pawel Myszkowski*

*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# 3rd Place



## Bi-objective Traveling Thief Competition

### Team SSteam: 5 points

*Roberto Santana, Siddhartha Shakya*

*University of the Basque Country & Khalifa University*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stütze, Anne Auger*

Thomas Stütze, Anne Auger  
GECCO 2019 General Chairs



# Winner



## Virtual Creatures Contest



*Deepak Pathak - UC Berkeley*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

*Thomas Stützel Anne Auger*

Thomas Stützel, Anne Auger  
GECCO 2019 General Chairs

# Honorable Mention for Aesthetic Appeal



## Virtual Creatures Contest



ACM Special Interest Group for  
Genetic and Evolutionary Computation

*Joel Simon*

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*M. Wagner*

Markus Wagner  
GECCO 2019 Competitions Chair

Prague, Czech Republic  
July 13-17, 2019

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Thomas Stützle, Anne Auger  
GECCO 2019 General Chairs