

International Planning Competition 2018

Temporal Tracks

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Configuration

PDDL features

- there is not new PDDL feature this track, we have use PDDL 2.2
- Planners must support the subset of the language involving STRIPS, durative actions and action costs.

Planner Submission

- container technology: Singularity
- containerized versions of all planners available

Tracks

Satisficing Track

- Configuration: single CPU core with 8Gb memory limit and 30 mins time limit for planning
- Score: ratio C^*/C where C is the cost of the cheapest discovered plan and C^* is the cost of a reference plan.

On-Board Track (Brand New)

- Configuration: single CPU core with 2Gb memory limit and 2 mins time limit for planning
- Score: ratio C^*/C where C is the cost of the cheapest discovered plan and C^* is the cost of a reference plan.

Tracks

Satisficing Track

- Configuration: single CPU core with 8Gb memory limit and 30 mins time limit for planning
- Score: ratio C^*/C where C is the cost of the cheapest discovered plan and C^* is the cost of a reference plan.

On-Board Track (Brand New) **CANCELED – only 2 submissions**

- Configuration: single CPU core with 2Gb memory limit and 2 mins time limit for planning
- Score: ratio C^*/C where C is the cost of the cheapest discovered plan and C^* is the cost of a reference plan.

Domains

Airport



Truck



Map
Analyzer



Parking



Road
Traffic



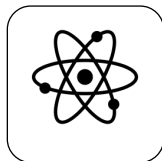
Sokoban



FloorTile

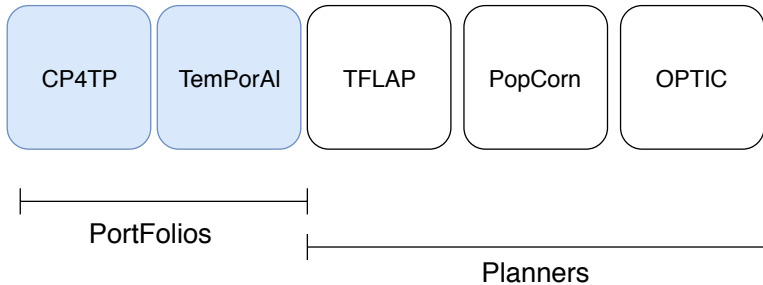


Cushing

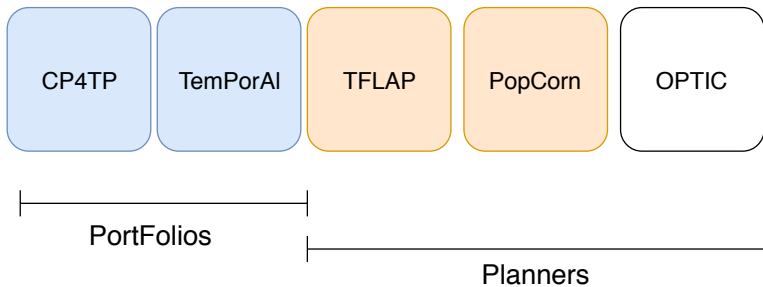


Quantum
Computing

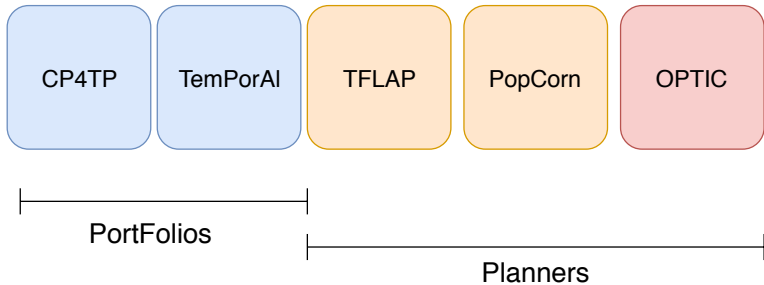
Planners



Planners



Planners



Temporal Satisficing Track awards

Winner

Isabel Cenamor, Mauro Vallati, Lukás Chrpa,
Tomás de la Rosa and Fernando Fernández

TemPorAI

Runner-up

Daniel Furelos-Blanco and Anders Jonsson

CP4TP

Results

Temporal Satisficing Track IPC 2018

Domain/Planner	Optic	PopCorn	TemPorAI	TFLAP	CP4TP
Road-traffic	0	0	8.04	0	6.67
trucks	6.5	4.86	8.99	7.32	4.5
Map-analyzer	0	0	9.05	6.29	5.12
sokoban	0.93	0.76	5.28	4	4.05
airport	3	3	9.98	8.99	8.9
parking	8	4	6.17	3.65	2.85
quantum	7.94	4.38	8.74	7	7.82
cushing	10	1	0	2.98	2.22
floortile	0	0	9.55	2.9	1.59
Total	36.37	18	65.8	43.13	43.72

Acknowledge

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