

## Crazy Stone wins First UEC Cup

*Rémi Coulom*

Université Charles de Gaulle, Lille, France

The First UEC Cup took place on December 1–2, 2007, at the University of Electro-Communications, in Tokyo, Japan. It is a new computer-Go tournament, that was set up after the cancellation of the Gifu Challenge. The Gifu Challenge had been a yearly computer-Go tournament in Japan between 2003 and 2006, but was cancelled in 2007 because of lack of support by sponsors.

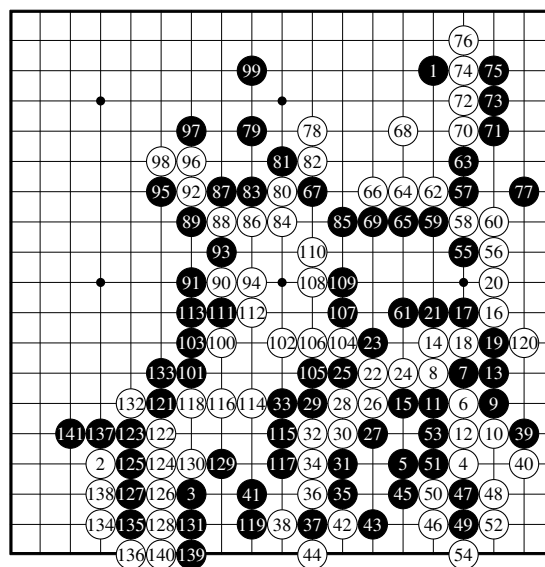
With 27 programs participating, the First UEC Cup was the largest computer-Go tournament in a very long time. According to Nick Wedd's list at <http://www.computer-go.info/events/>, it is the third in history, after the 1997 FOST Cup (40), and the 1999 CGF Cup (28). All participants were from Japan, except two invited programs from France, MoGo and Crazy Stone, that played with local operators.

The tournament was organized in two phases. On the first day, a 5-round Swiss tournament selected the top 16 programs. On the second day, a 4-round knockout tournament ranked the 16 selected programs. Tables 1 and 2 summarize the results. Games were played with a time control of 40 minutes, sudden death, with Japanese rules and 6.5 points of komi. Game records may be downloaded from <http://jsb.cs.uec.ac.jp/~igo/result.html>, and <http://jsb.cs.uec.ac.jp/~igo/result2.html>.

This first edition of the UEC cup confirmed the strength of Monte-Carlo programs. MoGo and Crazy Stone, who were first and second in the 2007 Computer Olympiad in Amsterdam, took the third and first places. Hiroshi Yamashita rewrote Aya to use Monte-Carlo algorithms, and took the 4th place. GGMC, another Monte-Carlo program, was 5th. Katsunari, second, was the only classical program that resisted the Monte-Carlo wave.

After the tournament, the winner, Crazy Stone, played an even game against Hiroshi Sagawa, 5 dan amateur, and lost (Figure 1). This game had lots of semeais, which are very difficult to evaluate by a Monte-Carlo program.

Overall, this tournament was very successful, and shows that computer Go is in an exciting period of new ideas and fast progress. I am looking forward to the Second UEC Cup, that the organizers are planning in 2008.



**Figure 1:** Crazy Stone (black) against Hiroshi Sagawa, amateur 5 dan (white).

Rank	Program	1	2	3	4	5	S	SOS	SB	MD
1	Crazy Stone	+ agou	+ GGMC	+ GNU	+ care	+ MoGo	5	18	18	12
2	Aya	+ GOGA	+ Daig	+ Booz	+ boon	+ Kats	5	13	13	7
3	caren	+ Daig	+ GOGA	+ Igop	- Craz	+ RunG	4	16	11	6
4	MoGo	+ Gemi	+ Kino	+ Livi	+ Shik	- Craz	4	15	10	5
5	GGMC Go	+ RunG	- Craz	+ Mayo	+ ark	+ Coza	4	15	10	4
6	Katsunari	+ Eye	+ Coza	+ mart	+ Mayo	- Aya	4	12	7	4
7	Shikousakugo	+ Cass	+ Igop	+ boon	- MoGo	- GNU	3	14	5	2
8	GOGATAKI	- Aya	- care	+ Go S	+ Daig	+ Booz	3	14	5	2
9	Kinoalgo	- GNU	- MoGo	+ agou	+ Go S	+ Mayo	3	13	5	2
10	RunGo	- GGMC	+ agou	+ Syna	+ Livi	- care	3	13	5	2
11	ark (GNU_ark)	- mart	+ Go S	+ Eye	- GGMC	+ boon	3	10	4	1
12	Igoppi	+ HIKA	- Shik	- care	+ Syna	+ mart	3	10	3	1
13	Boozer	+ Go S	+ mart	- Aya	- GNU	- GOGA	2	15	3	0
14	boon	+ Coza	+ Eye	- Shik	- Aya	- ark	2	14	3	0
15	Mayoigo	+ Syna	+ Livi	- GGMC	- Kats	- Kino	2	14	3	0
16	martha	+ ark	- Booz	- Kats	+ Cass	- Igop	2	13	4	0
17	agouti	- Craz	- RunG	- Kino	+ Gemi	+ Bell	2	13	2	0
18	Daigosan	- care	- Aya	+ HIKA	- GOGA	+ Syna	2	13	1	0
19	Gemini-I	- MoGo	- GNU	+ Bell	- agou	+ Eye	2	11	1	0
20	Coza	- boon	- Kats	+ Cass	+ HIKA	- GGMC	2	11	1	0
21	Livingstone	+ Bell	- Mayo	- MoGo	- RunG	+ Cass	2	10	1	0
22	Go SDK Original	- Booz	- ark	- GOGA	- Kino	+ HIKA	1	11	0	0
23	Eye Illusion	- Kats	- boon	- ark	+ Bell	- Gemi	1	11	0	0
24	Synathm	- Mayo	+ Bell	- RunG	- Igop	- Daig	1	9	0	0
25	Casablanca	- Shik	+ HIKA	- Coza	- mart	- Livi	1	9	0	0
26	HIKARU [FREEDOM]	- Igop	- Casa	- Daig	- Coza	- Go S	0	9	0	0
27	Bell	- Livi	- Syna	- Gemi	- Eye	- agou	0	8	0	0
	GNU Go	+ Kino	+ Gemi	- Craz	+ Booz	+ Shik	4	15	10	5

**Table 1:** 5-round Swiss elimination tournament of the first day. The top 16 qualified for the second day.



**Figure 2:** Final game between Katsunari (black) and Crazy Stone (white), commented by 9-dan professional player Tei Meikou (right). To the left is Masakazu Muramatsu, organizer of the tournament. This position shows a very typical game between a Monte-Carlo program and a classical program. Black controlled all four corners, but White killed the black group in the center and won.

Rank	Program	Author	1	2	3	4
1	Crazy Stone	Rémi Coulom	+ mart	+ Kino	+ MoGo	+ Kats
2	Katsunari	Shin-ichi Sei	+ ark	+ care	+ Aya	- Craz
3	MoGo	Sylvain Gelly	+ Booz	+ GGMC	- Craz	+ Aya
4	Aya	Hiroshi Yamashita	+ Mayo	+ Shik	- Kats	- MoGo
5	GGMC Go	Hideki Kato	+ Igop	- MoGo	+ Shik	+ care
6	caren	Katsumi Kobayashi	+ boon	- Kats	+ Kino	- GGMC
7	Shikousakugo	Morihiko Tajima	+ RunG	- Aya	- GGMC	+ Kino
8	Kinoalgo	Kinoa (Genki Yamada)	+ GOGA	- Craz	- care	- Shik
9	RunGo	Hideaki Takahashi	- Shik	+ GOGA	+ Mayo	+ ark
10	ark (GNU_ark)	Tsujii Lab (Nobuo Araki)	- Kats	+ Igop	+ Booz	- RunG
11	Mayoigo	Masaki Murayama	- Aya	+ mart	- RunG	+ Booz
12	Boozer	Chihiro Hashimoto	- MoGo	+ boon	- ark	- Mayo
13	martha	Ichiro Ujiie	- Crazy	- Mayo	+ boon	+ GOGA
14	GOGATAKI	Shigetaka Hisatomi	- Kino	- RunG	+ Igop	- mart
15	Igoppi	Kazuhiko Ariyoshi	- GGMC	- ark	- GOGA	+ boon
16	boon	Kenta Sasaki	- care	- Booz	- mart	- Igop
17	agouti	Ken-ichiro Yasuhara				
18	Daigosan	Koichi Nakao				
19	Gemini-I	Tadashi Ebara				
20	Coza	Haruki Oikawa				
21	Livingstone	houjin				
22	Go SDK Original	Jun-ichiro Yamada				
23	Eye Illusion	Katsuyoshi Takahashi				
24	Synathm	Tatsuhiro Futagami				
25	Casablanca	Jun Li				
26	HIKARU [FREEDOM]	RUSTLE				
27	Bell	Yumiko Suzuki				

**Table 2:** Final ranking, with program authors



**Figure 3:** Group photo. From left to right, front row: Hiroshi Yamashita, Hiroshi Sagawa (with MoGo’s trophy), ??? (with Crazy Stone’s trophy), Shin-ichi Sei, Hideki Kato, Katsumi Kobayashi. Second row: Teigo Nakamura, Hideaki Takahashi, Jun Li, Yumiko Suzuki, Katsuyoshi Takahashi, Morihiko Tajima, Nobuo Araki, Kazuhiko Ariyoshi, Chihiro Hashimoto, Tei Meikou. Back row: Masakazu Muramatsu, Tatsuhiro Futagami, Jun-ichiro Yamada, Haruki Oikawa, Takeshi Ito, Masaki Murayama, houjin, Kenta Sasaki, Ken-ichiro Yasuhara, Genki Yamada.