AI Crossword Puzzle

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Most, but not all, of the clues and answers relate to AI. An answer may be an acronym or an abbreviation even though not noted in the clue. Some liberties have been taken, but only because the puzzle is meant to be fun and interesting. If you'd like a few answers, check out the “AI in the news” column on page 120. And for all of the answers, see the solution on page 116. I wish to thank Bruce Buchanan, Mike Hamilton, David Leake, Reid Smith and Raja Sooriamurthi for their valuable comments and suggestions.

ACROSS
1 where the Spirit is
4 a sign that you’re Reddy to help
8 a type of book
12 a knowledgeable lab
14 a/k/a user interface design
17 mechanical computer that deciphered Enigma coded messages
18 American Indian tribe members or pickup trucks Down Under
20 colorless, odorless gas emitted by Cat-5 in Nevada race
21 before Smith (Fellow)
22 14 across in France
24 a cognitive architecture
26 robot soccer event
27 opposite of 34 across
28 runs between two points
29 Geometry Theorem Prover and General Problem Solver each had one
30 a bioinformatics center in Beijing
31 this IBM Fellow mined Marks & Spencer data
34 opposite of 27 across
35 a computing association
36 a cereal grain
40 NLP system named for Lino-type error sequence
43 a first name in neural nets
45 AAAI Fellow Thomas and Okhunova's Hougen
48 found in product barcode
50 a sense organ
51 a web ontology language
53 Judea or nursebot
55 this moment
56 project lead
57 it cleans up
60 an early AT&T tablet computer
61 robot degree
63 this Ned loomed large in early 1800s
66 server-side scripting environment or Cobra type
68 air defense system or herb
69 you’ll find Alan Mackworth there
70 an associative array
72 initial or goal
74 HAL moved up the alphabet
76 Nilsson
77 Stanford had one
79 before Fahlman (Fellow)
80 an AI Society in Portugal
82 Countess of Lovelace
83 GOFAI alternative
86 Mitchell
88 a wedding phrase
90 tank engine expert or Short-life
91 eraze
94 Deep Space 1 was one
98 Brachman
101 an application
103 standard measurement quantity
104 a constrictor
106 Engelmüller
107 massage
109 an early conference at ACE’s home
111 McCarthy
113 universal automation
116 before Laird (Fellow)
117 AI’s Bush
118 the Predator is one
119 first name of 49 down’s theological advisor
121 Could a robot performer join this union?
124 von Koppelen’s player
125 after noon or LT challenge
126 celebrated 25th anniversary in 2005
128 it assists architects
129 an Austrian AI Society
130 a science degree
131 space exploration
133 an early Kurzweil vision
134 CULR
136 before CMU
137 CYRUS’ conceptual memory secretary
141 an UK AI Society
144 what this is
145 knowledge repr.
146 Scif—
147 maximizes cumulative reward
148 fireplace residue
149 an Italian AI Society
150 Turkish currency
151 Don at AI dawn
154 lots of agents
155 site of AAAI-07
156 models and chains
159 he soared
161 a/k/a Baduk
162 an IASTED conference
163 “he” answered Raphael’s questions
164 hypermedia based educational expert system or to inquire
165 what Ecobot II does with flies
167 it found meteorites
168 a Marx brother
169 IBM 701 developer at Dartmouth workshop
171 UCS inst.
173 a linguistic law
175 found at International Autonomous Underwater Vehicle Competition
177 a Ford
178 in addition to
182 a representative body for European AI community
185 Gates or Joy
188 a bloody good expert system
189 Sandstorm, for example
191 an electronic law/tech journal
193 a group’s moral principles
194 not you
195 Higgins Professor and articulate lady
196 FORTRAN and LISP are others
197 Shakey vintner
201 an unspecified quantity
202 ___ Mater
203 before Buchanan (Fellow)
204 one more from IBM in Hanover in 1956
205 CBR project or Kentucky Derby winner
206 the science of artificial ___

DOWN
1 AAAI Park
2 not wrong
3 described relational and differential machines in 1851
4 Late for the Train or a famous script
5 1959 film, Ren—
6 where you’ll find Benjamin Kuipers before Hinton (Fellow)
7 R1 or former inmate
8 every iss. of AI Magazine has one
9 1995 DARPA
10 an AAAI official
11 climb this!
12 an automatic programming system
13 roboticist Horwitt and futurist Pearson
14 Dartmouth lifecycle event for AI appellation
15 AIC is there
16 Pohl or retirement account
17 had “controlled hallucination” vision
18 a Boolean operator
19 home of $3 down
20 Dawkins’ cultural unit
21 named for research and development
22 show how it works or Branded lab
23 research space
24 robot play first performed 85 years ago
25 on, off, yes, __
26 bees do it
27 robot control methodology or vacation destination
28 a humanoid robot
29 rich soil
30 an AI poker player
31 13th Century theologian
32 where 142 down is from
33 small amount or Greek letter
34 AI expert or fig tree (Deutsch)
35 a type of tree
36 AI used at this Swiss bank
37 site of AAAI-83 & -93
38 Enia’s 1946 st.
39 she and Sam understood simple stories in New Haven
40 an AI lab
41 where Austin is
42 what they did at The Origins of Cyberspace event in Feb. 05
43 a Boolean operator
44 “flew” with robots to WTC in 2001
45 ___ Alto
46 @
47 driver’s license, passport, etc.
48 AI thug’s tactic (2 words)
49 his conversation with Marvin is in AI Magazine 13(3)
50 ___ Mater
51 a representative body for European AI community
52 a Hellenic AI Society
53 before Buchanan (Fellow)
54 a science degree
55 AI used at this Swiss bank
56 site of AAAI-07
57 an unspecified quantity
58 AI used at this Swiss bank
59 ___ Alto
60 a science degree
61 a type of tree
62 goes on, off, yes, ___
63 a type of tree
64 AI used at this Swiss bank
65 a science degree
66 site of AAAI-07
67 a science degree
68 AI used at this Swiss bank
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121 a science degree
122 a science degree

118 AI Magazine
123 before Brooks (Fellow)
125 Hayes or Winston
127 28 across bowed
130 1024 KB
131 made public their reservations
132 MacHack's game
133 his razor trims the fat
135 created first mechanical digital
calculating machine
136 before Perrault (Fellow)
137 before DVR
138 first name in robots playing
soccer
139 you'll find Kenneth Forbus
here
140 before Ashby of Automata

141 children's game or Nobel lec-
ture (2 words)
142 Baum's mechanical man
143 drove coast-to-coast
145 2004 MacArthur Fellow
148 AI artist or Sloman
149 smart brake sys.
152 opposite of 134 across
153 an AI conference
154 not max
157 a Spanish Association for Arti-
ficial Intelligence
158 Firby's sys. or music genre
160 what Stanley did in 2005
164 a NASDAQ trade & quote

166 an early 1970s problem solver
170 Newell or wrench
172 a LISP gathering
173 search space
174 an early video game
176 Shannon, Brachman and Tur-
ing worked there
179 a Nobel prize winner
180 an action option when faced
with obstacle
181 simulates survival of the fittest
183 SCCC location
184 a joint conference
186 Japanese Chess

187 a large body of water
189 Russian emperor or powerful
person
190 Solomonoff and Kurzweil
192 consistent with reality
198 geologic time unit or SF novel
by Bear
199 info tech
200 Dartmouth's st.
202 a well-known group of other
authors: et __
203 UK industrial CS lab

The addendum to this puzzle is
available at www.aaai.org
/atopics/xword/index