



AI Fun Matters

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DOI: [10.1145/3375637.3375645](https://doi.org/10.1145/3375637.3375645)

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38				F				40	A			
41			42	U			43	44			I	
45				N			46					
47							48					

Across: 1) Delivered by train. 7) Give a false impression. 12) With no parts missing. 13) Unlimited warranty? 14) Join an ideology. 15) Core AI technology. 16) Evolve as the Pisa Tower. 17) Rewarded for work. 19) Girl mentioned in absence. 20) Apple computer. 21) Queen goddess in Mt. Olympus. 22) Unpleasant look. 23) Catching with a cruel, inhumane trap. 25) Puts together a book or a thesis. 26) Suppliers of a product or service. 28) Living plagues. 31) Passes... into the fourth dimension. 35) ___ = Distance/Time. 36) Naval military prison. 37) Set an upper bound. 38) Deborah ___, Scottish journalist. 39) Competitive speed-wise. 40) Two in a binary logarithm. 41) Old computer bus design. 43) Spanish airline. 45) Biggest prime digits. 46) Sport from Electronic Arts' FIFA series. 47) Fashion movement. 48) Adapters of a greedy approach.

Down: 1) Old kingdoms. 2) Linked to a big South American mountain chain. 3) Town that hosts Cornell University. 4) Right to keep someone else's property. 5) Make a mistake. 6) Advances research. 7) Kept to create off-

spring. 8) Chronos' major accomplishment. 9) Kim G. ___, Computer Science professor at the Aalborg University. 10) Moved along slowly. 11) Ethyl oxides. 13) Continent where IJCAI 2019 was held. 18) Worthy opponents to IBM's Debater. 21) React like a scaredy cat. 22) Programming language designed by John McCarthy. 24) It sounds like right. 25) Proudly present personal achievements. 27) Supporter of select social groups. 28) Marcel ___, majestic French novelist. 29) Income generator. 30) Pursue a dream with passion. 32) Hard to find. 33) More attractive facility-wise. 34) Britney ___, American diva. 36) Low-range instrument. 39) Support financially. 40) Christopher ___, AI professor at the University of Toronto. 42) ___ Goertzel, AI scientist featured in documentary *Machine of Human Dreams*. 44) Large constrictor snake.

Previous solution: RESTED, AWASH, ALCOVE, STELLA, CLONES, POTTER, EIRE, GRAM, ADA, ROE, BEEN, RIGS, STRAINS, AIRES, MATTER, BAYES, ALTERED, USES, GRIS, EVA, RHO, MATT, AGER, SOMBER, INLINE, TREATY, SOONER, SENDS, TREADS

Acknowledgment: I thank Karen McKenna for her feedback. The grid is created with the AI system Combust ([Botea, 2007](#)).

References

Botea, A. (2007). Crossword Grid Composition with A Hierarchical CSP Encoding. In *The 6th CP Workshop ModRef*.



Adi Botea is an AI senior specialist at Eaton, Ireland. He holds a PhD from the Univ. of Alberta, Canada. Adi co-authored over 80 scientific papers. He has published crosswords in Romanian, in national-level venues, for almost 3 decades.