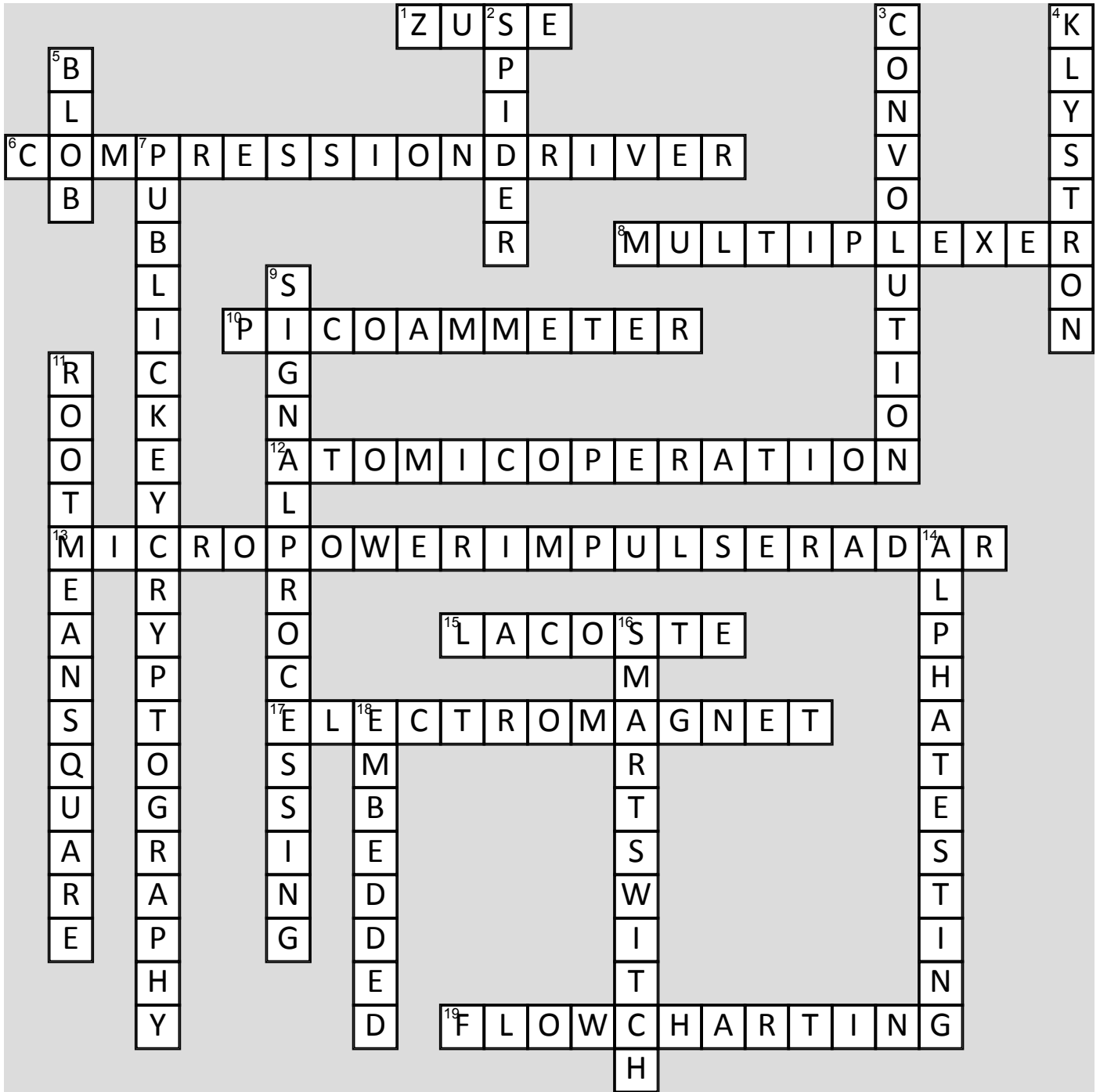


# #66



## Across

- 1 German engineer inventor and engineer (1910–1995) who is credited with creating the Z3, a program-controlled Turing-complete computer
- 6 A loudspeaker that achieves high efficiencies by using a consolidating technique [two words]
- 8 A device that combines input signals, shares a single transmission channel, and enables data compression
- 10 Measures low current
- 12 An action that is non-interruptible by any other one and never presents partial results to an outside observer [two words]
- 13 A pocket-sized radar that runs off AA batteries and is often used as a basic motion sensor for security applications [three words]
- 15 Circuit Cellar columnist who frequently writes about frequency
- 17 English physicist and inventor William Sturgeon (1783-1850) is credited with using electric current to develop the first one of these objects in 1825
- 19 A diagram of the sequence of movements or actions

## Down

- 2 The flexible collar that helps keep a voice coil magnetically centered
- 3 Refers to both the result function and to the process of computing it
- 4 A specialized linear-beam vacuum tube
- 5 Stores binary data; synonym: drop
- 7 Decodes using two pieces of information, one public and one private [three words]
- 9 Involves measuring physical quantities with time and spatial variances [two words]
- 11 Alternating voltage/current with the exact same energy content as the same value of direct current; a.k.a., quadric mean [three words]
- 14 Check performed by an independent team on a system installed at a place other than the targeted customer's site [two words]
- 16 An energy-saving device that was the topic of Fergus Dixon's article (Circuit Cellar, 263 2012) [two words]
- 18 At Circuit Cellar , a past, present, and future key theme of the magazine centers on this type of technology

## WORD LIST:

ALPHATESTING

ATOMICOPERATION

BLOB

COMPRESSIONDRIVER

CONVOLUTION

ELECTROMAGNET

EMBEDDED

FLOWCHARTING

KLYSTRON

LACOSTE

MICROPOWERIMPULSERADAR

MULTIPLEXER

PICOAMMETER

PUBLICKEYCRYPTOGRAPHY

ROOTMEANSQUARE

SIGNALPROCESSING

SMARTSWITCH

SPIDER

ZUSE