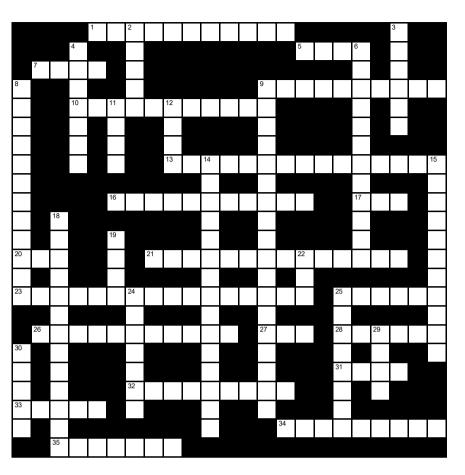## Across

1 A credit-card sized personal computer that plugs into a TV and a keyboard. (9,2)

5 Refers to an on-demand business model for IT capacities where instead of owning an IT infrastructure or server space you rent it and pay for it on a per-use basis (Acro.). (4)

7 The use of electromagnetic or inductive coupling in the radio frequency portion of the spectrum to communicate to or from a tag through a variety of modulation and encoding schemes uniquely to read the identity of an RFQ Tag (Acro.). (4)

9 A record that contains the authentication information required to connect to a resource. (10)

10 Description of objects belonging to a particular area of interest. (6,5)

13 A term for computing that is dedicated to a single purpose, as opposed to general- purpose computing. (8,7)

16 A mix of public and private cloud. (6,5)

17 The most widely used digital cellular network and the basis for mobile communication such as phone calls and the short message service (SMS) (Acro.). (3)

20 A label or other object used to identify the physical entity to which it is attached. (3)

21 Physical structures designed and equipped to try to minimize costs and environmental impact. (5,9)

23 A typically closed network of devices in which they can communicate with one another and/ or other control systems located on the same network. (7,2,7)

25 A thing in IoT. (6)

26 A concept that tries to create a more intelligent urban infrastructure by using modern information and communication technologies. (5,6)

27 One way for an application to present itself to another, typically remote, applications so that they can interact with it (Acro.). (3)

28 To determine certain physical or chemical characteristics and transform them into an electrical signal to make them digitally process able. (6)

31 An architecture for web standards, especially for the HTTP protocol (Acro.). (4)

32 It includes a wide array of sensors, actuators, and devices that interact with and communicate real-time data from smart products and services. (4,2,3)

33 A physical entity (in contrast to the digital and network connection shared between these systems). (5)

34 Refers to the networking of household devices and systems through information and communication technology. (5,4)

35 A network device or software run on a computer in the network that can communicate with other networks, even if these use a different protocol. (7)

Down

2 A computer system which gathers real-time data to monitor and control systems or processes. (5)

3 Technology that can convert signals sent by wireless routers into direct current (Acro.). (6)

4 Describes the always-growing sums of data, as well as the problems that come with processing this massive flood of information. (3,4)

6 Ability to enter a name and password only once to get to several password protected systems in one working period. (6,4-2)

8 Refers to the multi-layers that go from devices on the edge to the middleware. (3,9)

9 Communication services being provided by third parties which can be accessed and used through the internet. (5,13)

11 A lightweight messaging protocol for small sensors and mobile devices (Acro.). (4)

12 A connection point, a redistribution point or a communication endpoint. (4)

14 A wireless network of wearable computing devices. (4,4,7)

15 Electronic devices which measure and display resource consumption and communicate this information to third parties. (5,6)

18 A method of optimizing cloud computing systems by performing data processing near the source of the data. (4,9)

19 Networks of nodes that sense and potentially control their environment (Acro.). (4)

22 A mobile cellular standard that provides faster Down- and Upload speeds (Acro.) (3)

24 A Canadian company that made the world's first WiFi-connected thermostat. (7)

25 Anything that has the capability to monitor a physical entity, like its state or location. (8)

29 Google's first foray into the automated home market. (4)

30 Computers that provide certain services or resources within a network, which other participants within the network can then access and use. (5)