Prof. Dr. sc. Davor Pavuna, Dipl. Ing.

Po zaključeni osnovni šoli v Osijeku in 5. gimnaziji v Zagrebu je diplomiral iz fizike na PMF-ju (1977), zatem je v Angliji doktoriral na temo elektronskih posebnosti amorfnih materialov (1982). Po krajšem bivanju v ZDA, Indiji, Avstraliji in Franciji (CNRS-Grenoble, '83-86), od leta 1986 deluje na švicarskem inštitutu za tehnologijo (EPFL) v Lozani. Vodi tim za superprevodnost, je profesor fizike in predseduje komisiji doktorskih študijev biofizike v zahodni Švici (2005-2011). Objavil je preko 200 člankov v svetovnih časopisih, napisal uspešen učbenik o superprevodnosti (1992), uredil 30 strokovnih knjig in imel preko 100 predavanj, intervjujev in člankov na Hrvaškem. Predsedoval je 30 konferencam in petim poletnim šolam. Na povabilo je izvedel preko 100 strokovnih predavanj (od Hardvarda do Tokia, Cambridgea do Pekinga) in prav toliko poljudnih. Kot gostujoči profesor je predaval v Parizu ('95 in '97), Španiji ('84, '99 in 2003) in Indiji (1983 in 2006). Sodeloval je pri uspešnih projektih v ZDA na NSF-synchrotronu (Wisconsin, 1995-2009) in Brookhavenu (2009-). Deluje kot svetovalec in recenzent institucij in korporacij v Evropi in ZDA ter v jugovzhodnih državah Azije. Nagrade: Royal Society Award (1982), Joliot-Curie Award (1985). Je Dobitnik odličja Danice Hrvaške z likom Nikole Tesle (2006) in član upravnega odbora Agencije za visoko izobraževanje in znanost (2007-2011). Aktiven je v viziji zelene civilizacije in planetarne Hrvaške; od 2010 predseduje HSK in AMAC v Švici.
Soproga Sylvie, slikarka, Marko (28) in Ana (24).

M.Sc. on magnetotransport in soft amorphous ferromagnets (PMF-Zagreb, Croatia, 1977); Ph.D. Thesis on electronic properties of amorphous metals (1982) under Sydney Dugdale, the President of the Science Research Council of Great Britain. Three years in the Centre National de la Recherche Scientifique (CNRS) in Grenoble (France), where he initiated a very successful research on quasicrystals. In 1986 appointed at the Swiss Federal Institute of Technology at Lausanne (EPFL). His interests were focused on understanding the (macroscopic) quantum coherence effects within disorder in cuprates and new electronic materials. Pavuna's publications encompass more than 120 research papers, 28 reviews, 20 edited professional books, a textbook on superconductivity (translated also into Polish) widely used in more than 100 Universities worldwide. His teaching includes basic physics courses for engineers, advanced courses on quantum fluids and properties of complex matter. He has co-organized more than 28 international conferences (see for example: http://dubrovnik.epfl.ch/) and 6 summer schools. Member of numerous professional bodies and societies, Chair of Condensed Matter Committee of the Doctoral School of western Switzerland (2003-09). Since 2009 DoE-USA reviewer on strategic energy related projects, serves also in several EU ERC and Asian programs. Swiss MuSR committee member @PSI (2010-14). In addition to more than hundred invited conference talks and as many lectures in leading institutions worldwide, he delivered as many popular science public lectures. Advises several government's science and engineering boards and and high tech companies across Europe, North America and South-East Asia.

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