



“POLITEHNICA” UNIVERSITY  
of TIMIȘOARA  
ELECTRICAL ENGINEERING and  
POWER ENGINEERING FACULTY  
Bd.Vasile Pârvan Nr.2 300223TIMIȘOARA  
ROMANIA

POWER ENGINEERING DEPARTMENT  
Tel. ++40-256-40 34 17  
Tel/Fax ++40-256-40 34 13  
e-mail: iuliu.delesega@et.upt.ro  
<http://www.et.upt.ro>

---

# Iuliu Delesega

Brașov, Romania, 2. October 1949.

---

## Education

- Graduation: *Current Compounded Self Exciting System of a Synchronous Generator*, Technical University of Timișoara, Faculty of Electrical Engineering, Romania, 1972;
- Ph.D. degree: *Research of the Electrodynamical Cryotransmission*, Technical University of Timișoara, Faculty of Electrical Engineering, Timișoara, Romania, 1986. The doctoral thesis deals with a special kind of electrical machine: an open stator drives the rotor as a synchronous motor and, if the system is fixed on a vehicle, the rotor in turn, through the open portion of the stator, can interact with a guideway to give electrodynamical levitation, traction and guiding forces.

## Professional

- Welding and Material Testing Institute, Timișoara, Romania: industrial introduction of Metal Inert Gas, Metal Active Gas and Tungsten Inert Gas welding, especially in naval and aeronautic construction (to the first Romanian 50000 t.d.w. ships and to the light airplanes and helicopters), 1972-1976;
- “Politehnica” University of Timișoara (former Technical University), Faculty of Electrical and Power Engineering, Department of Power Engineering, Romania, 1976-present (full university professor since 1998): power apparatus, testing of power apparatus, high voltage engineering, programmable logical controllers, electrical traction.
- Publications (author and co-author): 21 books, 81 professional papers (30 in technical reviews, 51 in proceedings of conferences), 33 research reports, 12 brevets of invention, 21 science popularization papers, 38 other papers (a list of examples for books and professional papers, see in the appendix);
- Taking part to the exhibition “From the Idea to the Product”, “Lajos Kossuth” University, Debrecen, Hungary, 1993, and (co)chairman at the: First Romanian-Japanese Joint Seminar on Applied Electromagnetics and Mechanics, Neptun, Romania, 1996, The Centenary of the Electron, Ujgorod, Ukraine, 1997, The 3rd, 4th, 5th, 6th, 7th and 8th International Power Systems Conference, Timișoara, Romania, 1999, 2001, 2003, 2005, 2007, 2009, 9th International Conference on Applied and Theoretical Electricity, Craiova, 2008;
- Mentioned in 26 Who’s Who, like: *Who’s who in Rumania*,

Pegasus Press, București, 2001, *Who's Who in Science and Engineering*, 2003... 2012 and *Who's Who in the World*, 2007... 2014 Marquis Who's Who, New Providence, *The Encyclopedia of Personalities from Rumania*, 2007... 2012, Hübners Who is Who;

- Awards (single and collective): 1st prize (1981, 1989), 2nd prize (1986), 3rd prize (1983) Timiș district stage of scientific and technical creation competition.
  - 1st prize (1985) paper Electromotor conference, Timișoara,
  - 1st prize (1984) National Exhibition of Inventions, Bucharest, Romania,
  - 1st and 2nd prizes (1985) Invention Hall, Timișoara, Romania
  - diploma for outstanding scientific research contributions, Technical University of Timișoara, 1984;
- Memberships: Techné Association (founding president), Timișoara, Romania,
  - Power Engineering Society from Romania, Bucharest, Romania,
  - Hungarian Technical Science Society from Transylvania, Cluj, Romania,
  - World Federation of Hungarian Engineers and Architects, Budapest, Hungary;
  - Public-law Association of the Hungarian Academy of Sciences Budapest, Hungary.

## Competences

- Hungarian – as the native language,
- Romanian – as the country's official language,
- English – advanced level, graduated courses: University of Timișoara, Faculty of Foreign Languages, 1974 and Technical University of Timișoara, 1981-1983;
- French – advanced level,
- German – beginner level,
- Italian – beginner level,
- Russian – beginner level,
- Arabian – to read,
- driving license, A, B category;
- Testing of power apparatus;
- Design, conception and building of power apparatus;

## Main fields of interest