

CURRICULUM VITAE

Horia CHIRIAC / National Institute of Research and Development for Technical Physics, 47 Mangeron Boulevard, 700050, Iași, Romania

Date of birth: October 6, 1940

- Senior Researcher (CS I) at NIRDTP Iași;
- Head of Magnetic Materials and Devices Department, Vice-president of Management Board since June 3, 2011 until present, President of the Scientific Board since October 23, 2014;
- Associate Professor at the Faculty of Physics, “Alexandru Ioan Cuza” University, Iași, Romania - PhD supervisor for 25 Ph.D.; Supervising 3 Ph.D. students. Member of commission of doctorate at Caen University, France.

a) information about the degrees and diplomas:

- In 1962 graduated the „Alexadru Ioan Cuza” University of Iasi, Faculty of Physics.;
- In 1978 recieved the PhD degree in „Magnetism and Magnetic Materials” at the same university, „Alexadru Ioan Cuza” University of Iasi, Faculty of Physics.

b) information about the professional experience and jobs.

- Between 1962-1964 he was Head of the conception laboratory within the Iași Antibiotic Factory, AMC Laboratory;
- Between 1964-1966 he was conception physicist (development of X-ray equipment for diagnosis and therapy; calculation of radiation doses in given situations) at the Institute of Medicine of Iasi, Radiology Clinic;
- In 1966 he joined the National Institute of R&D for Technical Physics-IFT Iasi of Iasi has held various professional degrees (Research assistant in 1968, Scientific Researcher grade III in 1972, Scientific Researcher grade II in 1972, and Senior Researcher grade I since 1989) ;
- He held the position of *Head of the Magnetic Materials Laboratory* between 1978 and 1981;
- Between 1981 and 1989 he held the position of *Head of the Magnetic Materials and Devices Department*.
- In the period 1989-2011 he held the position of General Manager of INCDFT-IFT Iași.

c) scientometric indicators:

- Hirsh index is 30 with 4509 citations (without self-citations)

d) at least one the profile adress from Scopus Author ID, ORCID (<https://orcid.org/0000-0002-8864-9255>), Researcher ID (C-4821-2011), Google Scholar or MR Author ID;

e) the profile adress from www.brainmap.ro: U-1700-026M-8203

Professional affiliation: Fellow IEEE Society since 2011 and IEEE Life Fellow starting from 2020; Romanian Physical Society; European Physical Society (EPS); European Magnetism Society (E-MAG); Japan Institute of Metals (JIM); American Physical Society (APS); American Association for the Advancement of Science (AAAS); Materials Research Society (MRS)

Expert evaluator: European Commission for the 5th, 6th and 7th EC Framework Programmes; Romanian Ministry of Education and Research. International evaluator for grant proposals from Canada, Chile, Brazilia.

Consultancy: for companies from Germany (CAESAR Bonn; EPCOS; Robert BOSCH GMBH), UK (Dynaline Technology Ltd, Kent), Sweden (Mecel, AB Dahrentrad), USA (Demodulation LLC, NJ; Billingsley Magnetics, MD; Polack, MA; Method Electronics Inc., IL), Denmark (REMOSO), France (AXON Cable S.A.S.).

Conference chairman: Chairman of the European Magnetic Sensors and Actuators (EMSA) Conference; Chairman of the Biennial Amorphous and Nanostructured Magnetic Materials (ANMM) Workshop; Member of the Technical Committee of EUROSENSORS Conference;

Invited speaker and chairman at different international conferences (MMM, INTERMAG, Joint MMM-INTERMAG, EMSA, JEMS, ISMANAM, etc.).

Awards: "Stefan Procopiu" Award of the Physical Sciences Society of the Romanian Academy for the paper entitled "Internal Stress Distribution in Glass-Covered Amorphous Magnetic Wires", 1995; Received "Traian Vuia" Award of the Technical Sciences Society of the Romanian Academy, for the book "Magnetism Tehnic si Aplicat", 2002;

Medals: over 50 medals at national and international fairs and exhibitions (gold medals in Geneva, Bruxelles, Paris, etc)

Coordination of projects: over 70 national projects, grants and programmes, and participant in other over 100 national and international projects / Coordinated over 15 bilateral cooperation projects with partners from abroad (Spain, Japan, Slovakia, Switzerland, Flanders, Hungary, etc.) / Coordinated over 30 international projects and grants (including European and NATO projects) / Coordinated 2 projects financed by the Office of Naval Research Global (ONRG) and the 3rd one was finalized in 2019. Two new national projects were approved in PED - Experimental Demonstrative Projects (2020-2022) and in PCE - Exploratory Research Projects (2021-2023).

Patents: 42 issued, out of which 4 are international (USA-1, Europe-2, Canada-1); 4 applications filled, out of which 1 is international; one is already approved in USA and in Europe.

Publications: 522 papers published in ISI journals and Proceedings; 1 monograph (Progress in Materials Science 40(5) (1996) 333-407); 9 chapters in scientific books: 3 books published by Publishing Houses in Romania, one book published by Springer-Verlag and Tsinghua University Press, one book published by Trans World Research Publ. Co.; 3 books published by INTECH; one book published by Elsevier Science & Technology; over 500 papers communicated at national and international conferences, workshops, congresses.

Date: 02.06.2021

Prof. Dr. Horia CHIRIAC

