

CURRICULUM VITAE OF JENŐ GUBICZA

Surname: GUBICZA

First name: JENŐ

Date and place of birth: 1969, Budapest, Hungary

Nationality: Hungarian

Employer: Department of Materials Physics
Institute of Physics, Eötvös Loránd University
H-1117. Budapest, Pázmány Péter sétány 1/A., Hungary

Homepage: <http://gubicza.web.elte.hu>

Positions:

Hungarian Academy of Sciences	1996-1998	research fellow
Eötvös Loránd University	1998-2001	postdoctoral fellow
Eötvös Loránd University	2001-2006	assistant professor
Eötvös Loránd University	2007-2013	associate professor
Eötvös Loránd University	2013-	full professor

Head of PhD School of Physics at Eötvös Loránd University (2019-)
Head of the Department of Materials Physics at Eötvös Loránd University (2020.12.15.-)

Degree: M.Sc. in Physics and Mathematics, Eötvös Loránd University, Budapest, 1992
Ph.D. in Physics, Eötvös Loránd University, Budapest, 1997
Dr. habil. in Physics, Eötvös Loránd University, Budapest, 2005
DSc in Physics, Hungarian Academy of Sciences, Budapest, 2009

Research interests: Microstructure and mechanical properties of nanocrystalline materials
X-ray diffraction
Indentation techniques

Languages: English (European level C1)
Russian (European level B1)

Number of publications: 290

Number of independent citations: 5500 (total number of citations in Google Scholar: 9500)

Hirsch-index from independent citations: 38 (h-index in Google Scholar: 51)

Book authorship:

1. J. Gubicza: Defect structure in nanomaterials, Publisher: Woodhead Publishing Ltd., Cambridge, UK, ISBN: 978-0-85709-206-9 (2012)
2. J. Gubicza: X-ray line profile analysis in Materials Science, Publisher: IGI-Global, Hershey, PA, USA, ISBN: 978-1-4666-5852-3 (2014)
3. J. Gubicza: Defect Structure and Properties of Nanomaterials, 2nd and Extended Edition, Elsevier Science & Technology, Oxford, UK, ISBN: 9780081019177 (2017)

Prize: Schmid Rezso Prize of the Roland Eötvös Physical Society (2008)
Bolyai-plaquette of Hungarian Academy of Sciences (2010)
Excellence Award of Rector of Eötvös Loránd University (2016)

Ranked into the top 2% of the world's researchers in 2019 and 2020

Supervised scientific works: 7 PhD theses, 2 PhD works in progress, 2 defended BSc thesis, 11 defended MSc theses, 5 Student Scientific Research Works

Invited Professorship: Universite Paris Nord, France (2006, 2009, 2010, 2011)

Invited speaker in conferences:

1. 12th International Symposium on Novel and Nanomaterials (ISNNM-2012), August 26-30, 2012, Istanbul, Turkey
2. The 6th International Conference on Nanomaterials by Severe Plastic Deformation (NanoSPD-6), June 30 - July 4, 2014, Metz, France
3. 13th INTERNATIONAL SYMPOSIUM ON PHYSICS OF MATERIALS (ISPMA-13), August 31 – September 4, 2014 Prague
4. 6th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS-2016), 1-3 June 2016, Istanbul, Turkey
5. Panalytical workshop entitled „Solutions for elemental and structural analysis. Quality without compromise”, 4-5 October, 2016, Budapest, Hungary
6. ECerS2017, 15th Conference & Exhibition of the European Ceramic Society, Satellite Event 4: New Frontiers on Ceramic Characterisation Techniques, July 9-13, 2017, Budapest, Hungary
7. XXII Physical Metallurgy and Materials Science Conference: Advanced Materials and Technologies (AMT 2019), June 9–12, 2019, Bukowina Tatrzańska, Poland
8. Minicolloque n° CPR25, "Magnetic Nano-Materials: nanostructuring impact on the macroscopic properties and their control", Journées de la Matière Condensée 2021 (JMC-17), August 24-27, 2021, Universite de Rennes, France.

Plenary speaker in conferences:

1. International Workshop on Advanced Materials and Nanotechnology (IWAMN-2016), Hanoi, Vietnam, 3-5 November, 2016
2. 12th International Conference on the Physical Properties and Application of Advanced Materials (ICPMAT2017), Kosice, Slovakia, 6-9 August, 2017
3. FEMS Junior Euromat 2018, July 8-12, 2018, Budapest, Hungary

Membership in scientific organizations:

- Scholarly public body of Hungarian Academy of Sciences (1998-)
- Roland Eötvös Physical Society (ELFT) (2004-)
- Committee member of Hungarian National Scientific Fund (2005-2008)
- Council of Faculty of Science at Eötvös Loránd University (2005-2006)
- Solid State Physics Committee of Hungarian Academy of Sciences (2008-)
- Chairman of the Diffraction Section of Roland Eötvös Physical Society (2010-2015)
- Scientific Committee, Hungarian Conferences on Materials Science (2010-2015)
- Council of Research and Large Instrument Center in Faculty of Science at Eötvös Loránd University (07.12.2011-06.12.2013.)
- Council of PhD School of Physics at Eötvös Loránd University (09.12.2013-)

- Core member in the PhD School of Physics at Eötvös Loránd University (2014-)
- Honorary Member in the Scientific Committee for Materials Science and Technology of Hungarian Academy of Sciences (01.30.2015-)
- Member of the Physics Habilitation Committee at Eötvös Loránd University (2016-)
- Member of the Nomination Committee of Nobel Prize in Physics (2017)
- Head of PhD School of Physics at Eötvös Loránd University (2019-)
- Head of the Department of Materials Physics at Eötvös Loránd University (2020.12.15.-2022.07.31.)

Journal editorial board membership:

Materials Science and Engineering A (Elsevier, 2015-)

Acta Metallurgica Slovaca (Technical University of Kosice, 2017-)

Advances in Materials Science and Engineering (Hindawi, Academic Editor, 2018-)

Eastern-European Journal of Enterprise Technologies (Technology Center, 2018-)

Heliyon (Elsevier, 2018-)

Activity in PhD, Dr.habil, DSc, Assoc. Prof. and Prof. qualification processes:

70 occasions as a reviewer or committee member

Organization of conferences:

◆ 13th International Conference on Strength of Materials (ICSMA 13), Budapest, Hungary, August 25-30, 2003)

◆ Annual Meeting of the Hungarian Physical Society (Szombathely, Hungary, August 24-27, 2004)

◆ Honorary Symposium of Prof. Tamas Ungár, May 19–20, 2008, Department of Materials Physics, Eötvös Loránd University, Budapest, Hungary

◆ 11th Hungarian Conferences on Materials Science, Balatonkenese, Hungary (October 15-17, 2017)

Membership in scientific committees of international conferences

◆ International Workshop on Advanced Materials and Nanotechnology (IWAMN-2016), Hanoi, Vietnam, 3-5 November, 2016 (Member of the International Advisory Committee)

◆ 12th International Conference on the Physical Properties and Application of Advanced Materials (ICPMAT-2017), August 6th - 9th 2017, Technical University of Košice, Slovakia (Member of the Steering Committee)

◆ International Conference on Computational Materials Science and Thermodynamic Modelling (CMST-2018), University of Cambridge, March 22 – 23, 2018, Cambridge city, United Kingdom, Program committee member

◆ Advanced Energy Materials and Technology Congress, March 25-28, 2018, Stockholm, Sweden, Committee member

◆ Materials Science and Engineering-2018 (MSE-2018), September 25-27, 2018, Darmstadt, Germany

◆ International Conference on Advanced Materials for Energy Science and Technology, February 26-28, 2019, NORTH-EASTERN HILL UNIVERSITY, SHILLONG, MEGHALAYA, INDIA (Member of the Advisory Board)

Organization of international PhD school:

◆ „X-ray line profile analysis: a training course from basics to practice”, April 6-8, 2009, Department of Materials Physics, Eötvös Loránd University, Budapest, Hungary

◆ „2nd Training Course of X-ray Line Profile Analysis: from basics to practice (XLPA-2)”,
May 23-25, 2011, Dept. of Materials Physics, Eötvös Loránd University, Budapest, Hungary