

Ivo Šlaus - CV

Ivo Šlaus, honorary president of the World Academy of Art and Science (WAAS - since 2013, 2011-2013 president), professor emeritus of physics (since 2005), professor of diplomacy and international affairs (since 2015), member of the European Commission Research, Innovation, Science Policy Expert (RISE) High Level Advisory Body (2015), chair of 'Open to the World' Advisory Group (2016), Croatian delegate to European Academies Science Advisory Council - EASAC (since 2013), member of the Pugwash Council (since 2003) and honorary member of the Club of Rome (since 2017, full member since 1987), founding member of the Academia Europaea (since 1988), fellow of the Croatian Academy of Sciences and Arts (since 1977), corresponding member of the Montenegrin and Macedonian Academies of Sciences and Arts (since 2006), member of the European Leadership Network (since 2010), member of the World Innovation Foundation (since 2003), Member of the ESF College of Expert Reviewers, Member of Balkan Political Club since 2004, member of its the Managing Board since 2007; Fellow American Physical Society (since 1985), Fellow of the Institute of Physics, UK (since 1996); member of the Medical Academy of Croatia (since 1983). Distinguished fellow of the New Westminster College (since 2013); Honorary member and former Vice-president of the Council of the InterUniversity Centre Dubrovnik (since 2012, previously acting director general, deputy DG,) Former Dean of Dag Hammarskjöld University College of International Relations and Diplomacy (28.06.2010 till 1.12.2017). Member Academia Scientiarum et Artium Europaea, Salzburg (1992). Member Black Sea University Board (since 1991), Honorary professor University in Skopje; Honorary adviser University J.J. Strossmayer, Osijek (1992).

Ivo Šlaus: Research: nuclear and particle physics, medical physics, science policy, security, sustainable development and human capital. Professor of physics (since 1967, PhD in physics 1958, associate professor 1963). Fellow of the American, Croatian and UK Physical Societies. Founding member (1969) and member of the Executive Committee (1969-72 and 1988-92) of the European Physical Society. National awards for science 1962 and 1969, a life award 2008. Visiting professor: UCLA (1964-2003), Duke University (1980-), Georgetown University (1979-1992), Universite Catholique Louvain, Laval University, Free University Amsterdam, Kyoto University and North Carolina Central University (2010-), Senior scientist at IKO, Amsterdam, the Naval Research Laboratory, Washington, Los Alamos National Laboratory and TRIUMF, Vancouver. Author of 382 scientific publications (Web of Science 185) and eleven monographs in physics, invited speaker at over 60 international conferences, keynote speaker at 7 international conferences. Cited over 4000 times, h-factor 37. Projects' (EU and USA-Yugoslavia, and national) coordinator in nuclear and particle physics, and in radiopharmaceuticals (IAEA). Member of Editorial Boards of Few Body System, Journal of Physics G, Scientometrics, European Papers on New Welfare and founder and chair of Cadmus, journal of the WAAS founded on the occasion of its 50th anniversary.

Ivo Šlaus is a member of the Croatian Academy of Sciences and Arts since 1977; foreign secretary from 1991-96 during which time Croatian Academy became a co-founder of the Inter-Academy Panel and ALLEA, and member of ICSU and many international associations. Co-founder of the European Physical Society in 1969 and member of its Executive committee in two terms (1969-71, and 1987-91). Co-founder of Academia Europaea in 1988, and chair of its Physics and Engineering Section (1989-93) during which time most Nobel prize recipients joined AE; member of The Club of Rome since 1988, now honorary member, founder of the Croatian Association of the Club of Rome (1995). President Board of Trustees of the Institute 'Ruđer Bošković' (IRB: 1976-78 and 2000-2004), president

Scientific council IRB (four times during 1967-1983), president Scientific council Central cancer institute (1972-74), member Advisory Council Ministry of Health (2000-2002). Elected Fellow of the WAAS in 1994, member of its Board of Trustees since 2005, chair of the Board of Trustees (June 2011-Dec 2011).

Member of the Parliament of the Republic of Croatia (2000-2003), member of the Committees for Foreign Affairs and for Science, Education and Culture; representative of Croatia: the Stockholm International Forum on Holocaust 2000; member of the Advisory Council and participants at 'Adriatic Sea Conference' organized by the patriarch and Vatican. President Council of Social-Democratic Party (SDP) of Zagreb (1998-2004); member of SDP General Council (1998-2004); Co-founder and secretary general of the Croatian Movement for Democracy and Social Justice (1997-2001). Awarded Medal celebrating 25th anniversary of the Fall of Communist Dictatorship in Eastern Europe (by the Government of Romania, 2014) and Medal by the Republic of Kazakhstan (2018).

Initiator of a series of international conferences on few particles studies (Brela 1967, summary talk at 18th International conference, 2006, Santos, Brazil) and of European Few Particles Community (chairman 1975 till 1985). I. Šlaus organized over 20 international conferences, he is Editor/co-editor of seven proceedings of international conferences in physics, and Co-editor of an international conference on knowledge-based society and of NATO advanced workshop on security. President of the Association of Natural Sciences Institutes in Croatia (1972-1979); Chairman, International Network of Centres for Sustainable Development, Ljubljana (2000-2014); Member of the Croatian UNESCO National Committee (1992-6, 2000-2004).

Some possibly relevant publications:

- 1) L. Soete, M. Ritter, I. Šlaus and F. Veloso, Europe's Future: Open Innovation, Open Science, Open to the World, European Commission, Brussels, March 2017
- 2) Ivo Šlaus, Need for a New Humanity-Centered Paradigm, *Međunarodne studije*, XV (1, 2015) pp 9-24.
- 3) Ivo Šlaus, Employment and the Unity of Social Sciences, *Informatologia* **47**, #4 (2014) and *Cadmus*, **2** (#4), May 11, 2015, pp 105-115
- 4) Ivo Šlaus, Science, art and education – the new paradigm, *European Scientific Journal*, October 2015/Special/<http://eujournal.org/files/journals/1/books/ISF.Oxford.Vol.1.2015.pdf>.Oxford, pp 1-5
- 5) I. Šlaus, H. Gurgulino de Souza, G. Jacobs and W. Nagan, Our Common Enemies and Our Best Friends, *Cadmus*, Vol 2, Issues 3 (October 2014), pp iii-iv
- 6) U. Fayl von Hentaller, G. Fayl, I. Grga, E. Busek, M. Dubrulle, W. Fautre, U. Guerot, P. Herzog, H. Kaiser, T. Kosmider, R. Linkohr, G. Schoepflin, I. Šlaus, A. Zs. Varga, V. Vike Freiberga: EU Quo Vadis – a wakeup call, The Global Round Table, distributed to all members of the EU Parliament, to EC and to all officers, July 2014, p 5-22, Social Science Research Network
- 7) Ivo Šlaus, Transition to a New Society, *Cadmus*, Vol 2, Issue 2 (May 2014), pp 1-8
- 8) Des Browne, Garry Jacobs and Ivo Šlaus, Actions to Enhance Global Security - Focus on WMD and Terrorism, invited paper presented by I. Šlaus at the Annual NATO Conference on WMD Arms Control, Disarmament and Non-Proliferation, 6-7 May, 2013, Split, Croatia, Panel 6: Terrorism and WMD Proliferation
- 9) Garry Jacobs and Ivo Šlaus, Global Prospects for Full Employment, *Cadmus* **1**, issue # 2 (April 2011) 60-89, also published by The Club of Rome Discussion Paper 02/11

- 10) Ivo Šlaus: Global Security, Weapons of Mass Destruction and The Responsibility of Scientists, in Assessing the Threat of Weapons of Mass Destruction, The Role of Independent Scientists, The NATO Science for Peace and Security Programme, IOS Press, Amsterdam 2010, eds. J. L. Finney and I. Šlaus, pp 273-282
- 11) Ivo Šlaus: Crisis - Violence and War - Value System and Change, in The Atlantic Community, The Titanic of the XXI Century?, eds. A. Kuklinski and K. Pawlowski, Nowy Sacz 2010, pp 92-105
- 12) Ivo Šlaus and Garry Jacobs, Human Capital and Sustainability, Sustainability **3(1)** 97-154 (2010) ISSN 2071-1050
- 13) Ivo Šlaus, Facing Demographic Transition, European Papers on New Welfare **9** (February 2008) 8-17; Ivo Šlaus, Far fronte alla transizione demografica, Quaderni Europei sul Nuovo Welfare **10** (Maggio 2008) 10-20
- 14) P.M. Haas, R.D. Lipschutz, I. Šlaus: Proposal to Establish a UN Environmental Security Council and General Assembly CNNS Papers, No. 22, Nov. 1989, LA-11728-C, UC-700.900, p.179.
- 15) I. Šlaus: Science in a Peripheral Country – A Personal Perception, ESF Communications, Keynote address at the European Science Foundation Assembly, ISSN 0293-082(X) 16 (1987) p. 3-18.
- 16) I. Šlaus: The University and the Link Between Two Cultures: Scientific-Technological and Humanistic, Interciencia 9 (1984) p. 69-74.
- 17) W. Potter, Đ. Miljanić and Ivo Šlaus, Tito's Nuclear Legacy, Bulletin of the Atomic Scientists, **56** (March 16, 2000) p. 63-70

Some monographs in physics:

- 1) Ivo Šlaus, Few-body Research – Summary, Concluding talk at the 18 IUPAP Conference, Santos, Brazil, Nuclear Physics **A790**, 199c-219c (Jun 15, 2007)
- 2) R. Machleidt, I. Šlaus, The Nucleon-Nucleon Interaction, J.Phys.G: Nucl. Part. Physics 27 (2001) R69-R108.
- 3) G.A. Miller, B.M.K. Nefkens, I. Šlaus: Charge Symmetry, Quarks and Mesons, Physics Reports 194 (1990) 1-116.
- 4) I. Šlaus, Y. Akaishi, H. Tanaka, Neutron-Neutron Effective Range Parameters, Physics Reports 173 (1989) 257-300
- 5) I. Šlaus, Nucleon-Nucleon Interaction Below 1 GeV, Acta Phys. Austr. Suppl. 27 (1985) 3-89.
- 6) I. Šlaus, Neutron Induced Reactions on Very Light and Light Nuclei, Invited talk, Proc. Intl. Conf. "Interactions of Neutrons with Nuclei"(Lowell, MA, USA,1976), Tech. Inf. Div. ERDA, 1976, p. 272-342, Ed. E. Sheldon.
- 7) I. Šlaus, Simple Nuclear Systems and Nuclear Interactions, in: Few Body Problems, Light Nuclei and Nuclear Interaction, Gordon and Breach, 1968, p. 84-152, Eds. G. Pać and I. Šlaus.
- 8) I. Šlaus, Few Nucleon Systems and the Problem of Nuclear Forces, Proc. VI Summer Meeting of Nuclear Physicists, Herceg Novi, 1962, Ed. B. Lalović, p. 51-342.

