Curriculum Vitae Ricardo Vinuesa

- Research Group: https://www.vinuesalab.com

- Total number of citations: 2236, h-index: 26 (from Google Scholar, August 20, 2021).

- Total of 81 peer-reviewed articles in journals and 48 conference proceedings

Education

- 2020 *Docent in Fluid Mechanics*. KTH Royal Institute of Technology, Stockholm, Sweden.
- 2009–2013 *Doctor of Philosophy (PhD) in Mechanical and Aerospace Engineering*. Illinois Institute of Technology (IIT), Chicago, USA.
- 2008–2009 *Master of Science in Mechanical and Aerospace Engineering*. Illinois Institute of Technology (IIT), Chicago, USA.
- 2004–2009 *Ingeniero Industrial* (Mechanical Engineer, five-year program). Polytechnic University of Valencia, Spain.

Present positions

- From July 2020: *Associate Professor*. KTH Engineering Mechanics, Stockholm, Sweden.
- From Sept. 2020: *Affiliated Researcher*. AI Sustainability Center, Stockholm, Sweden.

Supervision of graduate students and postdoctoral fellows

- Supervision of 9 PhD students: Alvaro Vidal (2014–2017), Marco Atzori (2017–2021), Alvaro Tanarro (2017–), Ramon Pozuelo (2018–), Luca Guastoni (2018–), Fermin Mallor (2019–), Daniele Masaro (2019–) and Donnatella Xavier (2019–), Ari Balasubramanian (2021–).
- Supervision of 6 Postdoctoral Researchers: Evelyn Otero (2016–2017), Eda Dogan (2017–2019), Saleh Rezaeiravesh (2019–), Narges Tabatabaei (2019–) and Siavash Toosi (2020–), Hao Hu (2021–).
- Supervision of over 20 Master and Bachelor theses.

Teaching activities

- 2021– *Lecturer and Course responsible*, Data-driven methods in engineering (graduate), KTH Engineering Mechanics.
- 2018– *Lecturer and Course responsible*, Mechanics I (undergraduate). KTH Engineering Mechanics.
- 2011–2012 *Lecturer*, Fluid Mechanics and Turbulent Flows (graduate), IIT.

Organization of scientific meetings

- 2021– Member of AI4EU working group on Trustworthy AI.
- 2020 Organizer of a Workshop on AI and Sustainability, including international experts and policy-makers. Collaborative effort with the AI Sustainability Center in Stockholm and Max Tegmark from MIT (USA). Over 200 participants.
- 2019 Organizer of the Linné FLOW Centre School on Machine Learning. Stockholm, Sweden. Around 75 participants.
- 2019–2020 Co-organizer of sessions in the SOCO conference (Spain), 5–10 presentations.

- 2017 Member of the organization committee of the 16th European Turbulence Conference (ETC16). Stockholm, Sweden. Over 500 participants.

Institutional responsibilities
- 2020 External examiner of PhD thesis, Indian Institute of Technology Delhi, India.
- 2019 External examiner of PhD thesis, Polytechnic University of Catalonia (UPC). Spain.
- 2019 External examiner of PhD thesis, Polytechnic University of Valencia (UPV), Spain.

Reviewing activities
- 2020– Evaluator of grant proposals for the European Research Council (ERC).
- 2020– Committee Member of the Workshop on Evaluating Progress in Artificial Intelligence (EPAI2020), part of the European Conference on Artificial Intelligence (ECAI).
- 2019– Committee Member of the Minisymposia and Posters Program at the Platform for Advanced Scientific Computing Conference (PASC20).
- 2019– Scientific evaluator for the Swiss National Supercomputing Centre (CSCS).
- 2017– Evaluator of grant proposals for the National Science Centre (Poland).
- 2016– Member of the Advisory Committee for the Turbulence and Shear Flow Phenomena (TSFP) symposium series.
- 2016– Member of the Advisory Committee for the series of Conferences in Turbulence by the interdisciplinary Turbulence initiative (iTi).

Prizes, awards and other merits
- 2020 Göran Gustafsson Foundation Award to Young Researchers (Small Prize).
- 2020 Outstanding Young Alumnus Award, Illinois Institute of Technology. USA.
- 2020 Keynote in Workshop on Digitalization for Urban Sustainability. KTH and the Swedish Environmental Research Institute (IVL).
- 2020 Keynote in Workshop on Sustainable AI in Practice. Technical University of Denmark (DTU).
- 2020 Keynote in Applied AI conference, organized by the AI+ Consortium from Norway.
- 2019 Best Paper Honorable Mention at the 9th IEEE Symposium LDAV 2019.
- 2019 Linné FLOW Centre Postdoctoral grant (co-applicant).
- 2015–2020 Over 15 invited talks in international conferences and invited seminars.
- 2015 Awarded a research grant from the Swedish Research Council (VR) for a total of 1.61 million SEK. Project: New aircraft design paths through control of turbulence.
- 2013 Best rated Lecturer in MMAE Department. Illinois Institute of Technology, USA.
- 2011 Outstanding Teaching Assistant Award, Illinois Institute of Technology. USA.
- 2010 Best Academic Record in Mechanical Engineering, Polytechnic University of Valencia, Spain (out of 375 students).

Management and leadership roles
- 2020– Vice Director of KTH Digitalization Platform.
- 2020– Coordinator of Advanced Computing and Machine Learning, KTH Mechanics.
- 2019–2020 Topic Editor for the journal Energies, on Machine-learning applications to complex flows.
- 2018– Associate Editor of the Elsevier journal Results in Engineering.
- 2017– Coordinator of Bachelor theses at KTH Mechanics. Coordination and evaluation of over 10 Bachelor theses per year.