

# Uso de ChatGPT en Educación Superior: Implicaciones y Retos

**Francisco José García-Peñalvo**

GRupo de investigación en InterAcción y eLearning (GRIAL)

Instituto Universitario de Ciencias de la Educación (IUCE)

Departamento de Informática y Automática

Universidad de Salamanca (<https://ror.org/02f40zc51>), Salamanca, España

[fgarcia@usal.es](mailto:fgarcia@usal.es)

<http://twitter.com/frangp>

<https://orcid.org/0000-0001-9987-5584>

## Resumen

Participación en el Conversatorio “Uso de la Inteligencia Artificial en Educación Superior: Implicaciones y Retos”, organizado por la Vicerrectoría de Docencia de la Universidad Nacional de Costa Rica y celebrado online el 12 de abril de 2023.

El objetivo de este conversatorio es fomentar el debate sobre las implicaciones y retos de la inteligencia artificial generativa en la educación, con especial atención a ChatGPT.

The banner features the logos of the Vicerrectoría de Docencia and the Universidad Nacional de Costa Rica (UNA) at the top. The central text reads 'Conversatorio' followed by the title 'Uso de la Inteligencia Artificial en Educación Superior: Implicaciones y Retos'. Below this, the date and time are listed as 'Miércoles 12 de abril 9:00 a.m. a 11:00 a.m.' with a calendar icon. A 'Link de Inscripción' section includes a video camera icon and a QR code. The 'Panelistas' section lists four speakers: Dr. Francisco José García Peñalvo (Catedrático, Universidad de Salamanca), M.Sc. Maureen Aragón Redondo (Centro de Estudios Generales), Dr. Esteban Picado Sandí (Decano, Facultad de Ciencias Exactas y Naturales), and M.Sc. Edgar Vega Briceño (Vicedecano, Sede Regional Chorotega). The 'Modera' section lists Dra. Susana Jiménez Sánchez (Asesora Académica, Vicerrectoría de Docencia). The bottom right corner features the 50th anniversary logo of UNA with the slogan '50 años Siempre Necesaria'.

## Palabras clave

Inteligencia Artificial; Inteligencia Artificial Generativa; ChatGPT; Educación

## Enlace a la presentación

<https://zenodo.org/record/7821173>

## DOI

10.5281/zenodo.7821173

## Cita recomendada

F. J. García-Peñalvo, "Uso de ChatGPT en Educación Superior: Implicaciones y Retos," *Conversatorio Uso de la Inteligencia Artificial en Educación Superior: Implicaciones y Retos*. Universidad Nacional de Costa Rica, 12 de abril de 2023. Disponible: <https://bit.ly/3KUXtFd>. doi: 10.5281/zenodo.7821173.

## Referencias

- [1] R. Yilmaz *et al.*, "Smart MOOC integrated with intelligent tutoring: A system architecture and framework model proposal," *Computers and Education: Artificial Intelligence*, vol. 3, art. 100092, 2022. doi: 10.1016/j.caeai.2022.100092.
- [2] F. J. García-Peñalvo, "Learning Analytics as a Breakthrough in Educational Improvement," en *Radical Solutions and Learning Analytics: Personalised Learning and Teaching Through Big Data*, D. Burgos, Ed. Lecture Notes in Educational Technology, pp. 1-15, Singapore: Springer Singapore, 2020. doi: 10.1007/978-981-15-4526-9\_1.
- [3] A. J. Berlanga y F. J. García-Peñalvo, "IMS LD reusable elements for adaptive learning designs," *Journal of Interactive Media in Education*, vol. 11, 2005.
- [4] A. J. Berlanga y F. J. García-Peñalvo, "Learning Technology Specifications: Semantic Objects for Adaptive Learning Environments," *International Journal of Learning Technology*, vol. 1, no. 4, pp. 458-472, 2005. doi: 10.1504/IJLT.2005.007155.
- [5] S.-T. Chu, G.-J. Hwang y Y.-F. Tu, "Artificial intelligence-based robots in education: A systematic review of selected SSCI publications," *Computers and Education: Artificial Intelligence*, vol. 3, art. 100091, 2022. doi: 10.1016/j.caeai.2022.100091.
- [6] Y. Jin, P. Li, W. Wang, S. Zhang, D. Lin y C. Yin, "GAN-based pencil drawing learning system for art education on large-scale image datasets with learning analytics," *Interactive Learning Environments*, pp. 1-18, 2019. doi: 10.1080/10494820.2019.1636827.
- [7] M. Alier-Forment y F. Llorens-Largo, "Cabalga el Cometa," in *EP-31 Las Alucinaciones de ChatGPT con Faraón Llorens*, ed. España, 2023.
- [8] T. van der Zant, M. Kouw y L. Schomaker, "Generative artificial intelligence," en *Philosophy and Theory of Artificial Intelligence*, V. C. Müller, Ed. Studies in Applied Philosophy, Epistemology and Rational Ethics, no. 5, pp. 107-120, Berlin: Springer-Verlag, 2013. doi: 10.1007/978-3-642-31674-6\_8
- [9] P. H. Diamandis y S. Kotler, *Bold: How to go big, create wealth and impact the world*. New York, NY, USA: Simon and Schuster, 2015.
- [10] A. J. Argüelles-Cruz, "Plataformas de inteligencia artificial en el futuro de la educación," presentado en Institute for the Future of Education Seminar, Monterrey, México, 2023. Disponible: <https://bit.ly/4144vfJ>
- [11] A. Martínez Arboleda, "Producción y análisis de textos con ChatGPT," presentado en Evento ReCrea, México, 2023. Disponible: <http://bit.ly/3m1ZSnX>
- [12] N. Chomsky, I. Roberts y J. Watumull, "The False Promise of ChatGPT," in *The New York Times*, ed. New York, USA, 2023. <http://bit.ly/3GycXfx>
- [13] E. Lee. (2023). Is ChatGPT a False Promise? En: *Berkeley Blog*. Disponible en: <http://bit.ly/3UIHsv1>
- [14] B. Gates. (2023). The Age of AI has begun. En: *GatesNotes*. Disponible en: <http://bit.ly/3nZjFF4>
- [15] L. Ropek. (2023). New York City Schools Ban ChatGPT to Head Off a Cheating Epidemic. En: *Gizmodo*. Disponible en: <http://bit.ly/3kp8Ha9>
- [16] T. Mitchelhill. (2023). Aussie Public Schools Crack Down on Controversial ChatGPT to Prevent Cheating. En: *The Chainsaw*. Disponible en: <http://bit.ly/3MvC1aI>
- [17] S. Mukherjee, E. Pollina y R. More, "Italy's ChatGPT ban attracts EU privacy regulators," Reuters, 2023, Disponible en: <http://bit.ly/3mfz43D>
- [18] R. Jihinke, R. Cummings y F. Di Lauro, "Reclaiming the technology of higher education for teaching digital writing in a post—pandemic world," *Journal of University Teaching and Learning Practice*, vol. 20, no. 2, 2023. doi: 10.53761/1.20.02.01.

- [19] FOL Open Letters. (2023). Pause giant AI experiments: An open letter. En: *Future of Life Institution*. Disponible en: <http://bit.ly/3Uw61p1>
- [20] W. M. Lim, A. Gunasekara, J. L. Pallant, J. I. Pallant y E. Pechenkina, "Generative AI and the future of education: Ragnarök or reformation? A paradoxical perspective from management educators," *International Journal of Management Education*, vol. 21, no. 2, 2023. doi: 10.1016/j.ijme.2023.100790.
- [21] F. Llorens-Largo. (2019). Las tecnologías en la educación: características deseables, efectos perversos. En: *Universidad*. Disponible en: <https://bit.ly/3SxO72D>
- [22] A. Bozkurt *et al.*, "Speculative futures on ChatGPT and generative artificial intelligence (AI): A collective reflection from the educational landscape," *Asian Journal of Distance Education*, vol. 18, no. 1, pp. 53-130, 2023. doi: 10.5281/zenodo.7636568.
- [23] A. Iskender, "Holy or Unholy? Interview with Open AI's ChatGPT," *European Journal of Tourism Research*, vol. 34, 2023. doi: 10.54055/ejtr.v34i.3169.
- [24] H. Vartiainen y M. Tedre, "Using artificial intelligence in craft education: crafting with text-to-image generative models," *Digital Creativity*, 2023. doi: 10.1080/14626268.2023.2174557.
- [25] G. Cooper, "Examining Science Education in ChatGPT: An Exploratory Study of Generative Artificial Intelligence," *Journal of Science Education and Technology*, 2023. doi: 10.1007/s10956-023-10039-y.
- [26] J. M. Flores-Vivar y F. J. García-Peñalvo, "Reflexiones sobre la ética, potencialidades y retos de la Inteligencia Artificial en el marco de la Educación de Calidad (ODS4)," *Comunicar*, vol. 31, no. 74, pp. 37-47, 2023. doi: 10.3916/C74-2023-03.
- [27] H. Khosravi *et al.*, "Explainable Artificial Intelligence in education," *Computers and Education: Artificial Intelligence*, vol. 3, art. 100074, 2022. doi: 10.1016/j.caeai.2022.100074.
- [28] A. Tlili *et al.*, "What if the devil is my guardian angel: ChatGPT as a case study of using chatbots in education," *Smart Learning Environments*, vol. 10, no. 1, 2023. doi: 10.1186/s40561-023-00237-x.
- [29] K. Masters, "Ethical use of artificial intelligence in health professions education: AMEE Guide No.158," *Medical Teacher*, 2023. doi: 10.1080/0142159X.2023.2186203.
- [30] A. Bozkurt, "Generative artificial intelligence (AI) powered conversational educational agents: The inevitable paradigm shift," *Asian Journal of Distance Education*, vol. 18, no. 1, pp. 198-204, 2023. doi: 10.5281/zenodo.7716416.
- [31] F. J. García-Peñalvo, "The perception of Artificial Intelligence in educational contexts after the launch of ChatGPT: Disruption or Panic?," *Education in the Knowledge Society*, vol. 24, art. e31279, 2023. doi: 10.14201/eks.31279.
- [32] F. J. García-Peñalvo, "Avoiding the Dark Side of Digital Transformation in Teaching. An Institutional Reference Framework for eLearning in Higher Education," *Sustainability*, vol. 13, no. 4, art. 2023, 2021. doi: 10.3390/su13042023.
- [33] F. J. García-Peñalvo, "Digital Transformation in the Universities: Implications of the COVID-19 Pandemic," *Education in the Knowledge Society*, vol. 22, art. e25465, 2021. doi: 10.14201/eks.25465.
- [34] T. Trust, "ChatGPT & Education," University of Massachusetts Amherst, USA, 2023. Disponible en: <http://bit.ly/3ZoNagm>. doi: 10.25416/NTR.21901629.v1.