

Dr. Roger F. Malina

Curriculum Vitae (February 2026)

Current Appointments

Distinguished Chair of Arts and Technology, Bass School of Arts, Humanities, and Technology, The University of Texas at Dallas (UT Dallas)

Affiliate Professor of Physics, School of Natural Sciences and Mathematics, UT Dallas

Affiliate Faculty, Edith O'Donnell Institute of Art History, UT Dallas

Advisory Board Member, UT Dallas Asia Center

Research Leadership and Focus

Director, **ATEC Off-Center for Emergence Studies** (UT Dallas)

Director, **ArtSciLab** research laboratory (UT Dallas)

My work focuses on identifying changes in complex systems and initiating anticipatory actions. Current thrusts include:

1. Changing age demographics among university faculty and students, with implications for redesigning education, including **reverse mentoring** and **experimental publishing**
2. Integrating AI into academic activity through the initiative **"Make AI with Purpose,"** including *Fred the Heretic*, an AI generator of poetry on complex issues, and the UTSW Project "I can Manage"

Scientific Background (selected)

My original scientific specialty is space telescope design and observational cosmology. I served as Director of the Observatoire Astronomique de Marseille Provence (France), Director of the Laboratoire d'Astrophysique de Marseille and predecessor laboratories (including the Laboratoire d'Astronomie Spatiale), and Director of the UC Berkeley Center for Extreme Ultraviolet Astrophysics. I was Principal Investigator for the NASA **Extreme Ultraviolet Explorer (EUVE)** satellite at UC Berkeley.

I am an elected member of the **International Academy of Astronautics** and the **European Academy of Arts and Sciences**. I received an honorary doctorate from the **Universitat Politècnica de València** (Spain) and received the **Ars Electronica New Media Pioneer Award** on behalf of *Leonardo*. I serve on the International Astronautical Federation Technical Activities Committee for the **Cultural Utilization of Space (ITACCUS)**.

I apply my scientific background to emergence studies research areas such as transgenerational change and intercultural methods.

Editorial and Publishing Leadership (selected)

For over 40 years I served as Executive Editor of the *Leonardo* art-science publications at MIT Press, including *Leonardo* (Journal) and the *Leonardo* Book Series; I now serve as Executive Editor Emeritus. I am the founding President of the non-profit **Association Leonardo** (Paris), and a founder and founding board member of **Leonardo/International Society for the Arts, Sciences and Technology (Leonardo/ISAST)** (San Francisco).

I was a co-founder of the **Institut Méditerranéen de Recherches Avancées (IMERA)** / Institute of Advanced Study of Aix-Marseille, and co-creator of the **Pôle Arts, Sciences, Instrumentations et Langages** residency program at IMERA. I continue transnational collaborations, including with the French **ENSAD National School of Art and Design**.

Bibliometrics (Google Scholar)

Google Scholar lists **548 co-authored publications**.

- **Citations:** 13,671 (since 2021: 1,841)
- **h-index:** 55 (since 2021: 21)
- **i10-index:** 142 (since 2021: 34)

Independent Publishing

I publish regularly through **Post Pandemic Pirate Publishing, Dis-Publishing Inc** (<https://dis-publishing.com/>), and **Zine.Baby** (<https://www.zine.baby/>). Several ebooks are under publication.

Teaching and Supervision

I supervised 6 PhD students (research and creative practice), 3 MFA and Master's students, and 2 undergraduate capstone students across UT Dallas schools including Bass, NSM, ECS, BBS, and JSOM Interns.

Curriculum Vitae Details

Personal

Born July 6, 1950; U.S. Citizen

Education

B.S., Physics, Massachusetts Institute of Technology, 1972

Ph.D., Astronomy, University of California, Berkeley, 1979

Honorary Doctorate, Universitat Politècnica de València, Spain,

Positions

Present Positions

2012–Present — The University of Texas at Dallas: Distinguished Professor of Arts and Humanities and Professor of Physics; Affiliate Scholar, Edith O’Donnell Institute of Art History

1994–Present — President, Association Leonardo (Paris)

2000–Present — Advisory Board, Art Science Chairs, Paris ENSAD (École Nationale Supérieure des Arts Décoratifs)

2015–Present — Advisory Board, PhD Program in Art, Design and Science, UTADCO, Bogotá, Colombia

2016–Present — Editorial Advisor, *Groundworks* (Alliance for the Arts in Research Universities)

2018–Present — Board Member, National Innovation Collaborative, Washington, DC

Previous Positions

1990–2024 — Board of Directors, International Symposium on Electronic Art (ISEA)

1982–2024 — Executive Editor, *Leonardo* Publications, MIT Press; founder and member of the Governing Board, Leonardo/ISAST (San Francisco and Arizona State University)

2013–2015 — Associate Director, ATEC Program, The University of Texas at Dallas

1995–2015 — CNRS, Directeur de Recherche, Première Classe, Laboratoire d’Astrophysique de Marseille

2009–2014 — Member, Comité d’Animation Scientifique, Institut Méditerranéen de Recherches Avancées (IMERA)

2008–2011 — Director, Observatoire Astronomique de Marseille Provence

1995–2004 — Director, Laboratoire d’Astrophysique de Marseille (CNRS / Université Marseille-Provence)

1991–1999 — Senior Fellow and Executive Director, Center for Extreme Ultraviolet Astrophysics, UC Berkeley; Principal Investigator, NASA Extreme Ultraviolet Satellite (EUVE)

Honors

1987 — Elected Member, International Academy of Astronautics

1993 — Social Science Award, International Academy of Astronautics

1993 — NASA Public Service Award; NASA EUVE Group Achievement Award

1996 — Corresponding Member, Académie Européenne des Sciences, des Arts et des Lettres

2016 — Honorary Doctorate of Fine Arts, Universitat Politècnica de València, Spain

2018 — Ars Electronica New Media Art Pioneer Award (on behalf of *Leonardo*)

2021 — Elected, International Astronautical Federation Technical Activities Committee for the Cultural Utilization of Space (ITACCUS)

Committees and Other Activities (selected)

2017–2020 — Member, STEM and STEAM Committee, American Toy Association

1995–Present — Member, SETI Committee, International Academy of Astronautics

2012–2013 — Chair, NSF-funded SEAD study on Enabling New Forms of Collaboration between Science, Engineering, Arts and Design

2004–2008 — Member, French National Scientific Advisory Committee (Comité National), Astronomy Section 17

2008–2016 — Founding Co-Chair, International Astronautical Federation ITACCUS Committee for Cultural Utilization of Space (current member)

2003–2025 — Osher Fellow, Exploratorium Science Museum, San Francisco

1982–Present — Founding Chairman of the Board, International Society for the Arts, Sciences, and Technology (Leonardo/ISAST), San Francisco (now elected board member)

Arts (selected)

Member, Leonardo Education and Art Forum

Member, SIGGRAPH Art Papers Jury (2012–2020)

Jury Member, Telefónica Foundation VIDA Competition (2014)

Jury Member, Buckminster Fuller Prize (2013–2014)

Chair/Member, Ars Electronica Competition Art Juries (1986–1992)

Books (selected)

Malina, R.F. et al. *Steps towards a Networked Ecology of Knowledge and Innovation: Enabling New Forms of Collaboration among Science, Engineering, Arts, and Design*. MIT Press (ebook), 2015.

Malina, R.F., Schich, M., & Meirelles, I. (eds.). *Arts, Humanities and Complex Networks*. MIT Press (ebook), 2014.

Spector, T., & Malina, R.F. (eds.). *Art and Atoms*. MIT Press (ebook), 2012.

White Papers (as Lead Author; 2025)

- *Hsue-Shen Tsien (Qian Xuesen) and the Emergence of Making AI with Purpose*
- *TAIZER: Make AI With Purpose thanks to Hakim Bey*
- *AIGENEALOGY, AITAXONOMY, AITOPOLGY: Toward an Anti-Silo Framework for AI Thought*
- *Expsomics for OC4ES*

- *Quintessence Phantom Crossing Manifesto: Saliency Summary of the Physics Retreat, UT Dallas*
- *Artificial Intelligence Despair, Anxiety and Groaning*
- *Maarten Noyons: A Fossilized Rock in My Life: The Geological Emergence of Desirable Ideas*
- *Hauntology of AIC: Augmented Intellectual Capacity*
- *Stepping Stone White Review of article by Daa Ahmed Mohamed Ahmedi: Drop of Light Interactive Art*
- *Sepsis as an Emergent Phenomenon* (co-author)
- *Interspecies Communication*
- *Fred the Heretic Collaborative Review of “Disrupt Science” (Mihai Nadin, Springer, 2023) and Call for Collaborators*

External Funding

External funding awarded (as reported by UT Dallas Office of Research).

(The current table is not up to date;)

Recommended format (replace your table with entries like these):

- Texas A&M University — *Steps to an Ecology of Networked Knowledge* — PI — May 2020–Oct 2020 — Amount: 100.0 *(units unclear)*
- University of North Texas — *Instrument: One Antarctic Night* — PI — Jan 2020–Dec 2020 — Amount: 100.0 *(units unclear)*
- Defense Advanced Research Projects Agency — *Stethoscope for the Brain Connectome* — PI / Co-PI — Aug 2015–Aug 2016 — Amount: 50.0 *(units unclear)*

Service

Services to the Profession (selected)

Editor, *Leonardo* Journal, MIT Press

Executive Editor, *Leonardo* Book Series, MIT Press

Executive Editor, *Leonardo* Reviews (Leonardo/ISAST)

Executive Editor, *Leonardo* Electronic Almanac, MIT Press

Board Member, International Society for the Arts, Sciences and Technology (Leonardo/ISAST)

Board Member, International Society for the Electronic Arts (ISEA)

Member, American Toy Association (STEM to STEAM Committee)

Director, Observatoire Leonardo des Arts et Technosciences

Organizing Committee Member, National Academy of Sciences Sackler Conference

(2017–2018)

Board Member, Innovation Collaboratory (non-profit)

Services to UT Dallas

Associate Director, ATEC (2013–2015)

CQ (2013–2018); CQ Chair (2020–2021)

IRB Board Member (2021–2023)

Director, ArtSciLab and Off-Center for Emergence Studies