Juan Fernandez Toledano
Simulation, Modelling and Analysis of Complex Systems
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Kwalificaties

Natuurkunde, Ph.D., Structure, kinetic and topological properties of colloidal monolayers, University of Granada
Datum van toekenning: 7 mrt 2008

Natuurkunde, Doctorandus, Science and technology of colloids and interfaces, University of Granada
Datum van toekenning: 26 okt 2006

Natuurkunde, Bachelor, University of Granada
Datum van toekenning: 16 okt 2002

Tewerkstellingen

Simulation, Modelling and Analysis of Complex Systems
Koninklijke Militaire School
8 nov 2021 → present

Onderzoeksoutput

Post-impact nanodroplets exhibit effective single-exponential relaxation over finite-amplitude displacements
Fernández-Toledano, J. C., Braeckeveldt, B., Marengo, M. & DeConinck, J., 1 okt 2026, In: Physics of Fluids. 38, 10, 107418.

Detecting coordinated and bot-like behavior in Twitter: the Jürgen Conings case
De Clerck, B., Fernandez Toledano, J., Van Utterbeeck, F. & Rocha, L. E. C., 5 jun 2024, In: EPJ Data Science. 13, 1, 40.

A possible way to extract the dynamic contact angle at the molecular scale from that measured experimentally
Blake, T. D., Fernández-Toledano, J. C. & De Coninck, J., jan 2023, In: Journal of Colloid and Interface Science. 629, blz. 660-669 10 blz.

Activiteiten

An Agentic Operationalization of DISARM for FIMI Investigation on Social Media
Fernandez Toledano, J. (Poster presenter) & De Clerck, B. (Co-auteur)
10 jun 2026

An agent-based operationalization of DISARM for FIMI investigation on Social Media
Fernandez Toledano, J. (Spreker), De Clerck, B. (Co-auteur), Tseng, K. (Co-auteur), Tinn, P. (Spreker) & Dukach, Y. (Co-auteur)
12 mei 2026 → 13 mei 2026

An agentic operationalization of DISARM for FIMI investigation on Social Media
Fernandez Toledano, J. (Co-auteur)
12 mei 2026 → 15 mei 2026

NATO STO IST-238 Research Specialists' Meeting on "Military Applications of Generative AI 2026"
Fernandez Toledano, J. (Deelnemer)
24 mrt 2026 → 26 mrt 2026

Coordinated Behavior at Scale: A Minimalist Approach to Detecting Information Operations
Fernandez Toledano, J. (Spreker) & De Clerck, B. (Co-auteur)
17 dec 2025

IST-HFM-225
De Clerck, B. (Deelnemer) & Fernandez Toledano, J. (Deelnemer)
18 mrt 2025 → 20 mrt 2025

NATO STO RTG SAS-SCI-207: Assessing and Exploring AI Natural Language Processing Technologies for Military Contexts
Fernandez Toledano, J. (Deelnemer)
25 jan 2025 → 27 jan 2028

SOCMINTEX: Social Media Intelligence Exploitation toolbox
Fernandez Toledano, J. (Co-auteur)
20 nov 2024

SOCMINTEX: AI-Powered Social Media Intelligence Toolbox
Fernandez Toledano, J. (Poster presenter), De Clerck, B. (Co-auteur) & Van Utterbeck, F. (Co-auteur)
28 mei 2024

AI-Powered Social Media Intelligence Toolbox
Fernandez Toledano, J. (Poster presenter), De Clerck, B. (Co-auteur) & Van Utterbeeck, F. (Co-auteur)
13 dec 2023

SAS-HFM-ET-FM: Natural Language Processing For Defence: Exploiting The Cutting Edge Of Large Language Models For Military Context
Fernandez Toledano, J. (Deelnemer)
1 dec 2023 → 1 dec 2024

NLP + network analysis for monitoring social networks: SOCMINT toolbox prototype
Fernandez Toledano, J. (Co-auteur), De Clerck, B. (Co-auteur) & Van Utterbeeck, F. (Co-auteur)
12 sep 2022 → 13 sep 2022

Projecten

SMALL: Social Media Analysis using Large Language models and multimodal deep learning
Van Utterbeeck, F. (Promotor), Fernandez Toledano, J. (Onderzoeker) & De Clerck, B. (Promotor)
1/01/25 → 31/12/28

SOCMINTEX: Social media intelligence exploitation
Van Utterbeeck, F. (Promotor), Fernandez Toledano, J. (Onderzoeker), Vermuyten, H. (Onderzoeker) & Mees, W. (Co-promotor)
1/08/20 → 31/12/24