Dénes Csala
Try something new. Everyday.

Assistant Professor
Energy Storage Systems Dynamics

Lancaster University
Department of Engineering
Energy Lancaster

+44 7398 483468
d.csala@lancaster.ac.uk

Lancaster University

Co-founder
Sustainable Energy & Development

ARC initiative
Engineering System Design through
Participation · Collaboration · Sustainability

+971 55 618 3205
denes@arc-initiative.org

arc initiative

Blogger
Data Visualization

Personal Website
English data blog
Hungarian data blog

Data Science
Datactivism
Social Networks

Energy & Sustainability
Biophysical Economics & Net Energy Analysis
Sustainable Energy Transitions
Renewables & Water-Energy-Food Nexus
Simulation Modeling
Game theory & Networks
Agent-based modeling & Complex systems
Systems Thinking & System Dynamics
Data Science
Data Analysis & Data Mining
Data Visualization & Infographics
Datactivism & Data blogs: EN ➲| HU ➲

Timeline of professional and educational history (2008–2016), including: Technical University of Cluj-Napoca (Teaching Assistant, Research Assistant, BSc Electrical Engineering), TEI of Western Macedonia (Erasmus Scholarship, Kozani, Greece), Masdar Institute (Research Assistant, Teaching Assistant, MSc Engineering Systems & Management, PhD Interdisciplinary Engineering, Abu Dhabi), Helmholtz Zentrum Berlin (International Summer University, Energy, Falera, Switzerland), MIT (Research Assistant, Cambridge; PhD Exchange, Sloan), Boston University (Research Assistant), Lancaster University (Assistant Professor), ARC Initiative (Co-founder), Zayed Future Energy Prize (Global High Schools Committee Member).

Legend: F Full-time Job · P Part-time Job · C College · O Other · Work · Education

Categories: Professional · Personal · Research · Projects · Visualizations · Models · Presentations

Professional	Personal	Research	Projects	Visualizations	Models	Presentations
1+ years **Ast Prof**	4 DAN **black belt** in **Shotokan Karate**	10+ peer-reviewed articles in journals including **Nature**	Educational work-shops on sustain-ability and **renewable energy** in Malaysia, Indonesia, Tanzania, India, Somaliland.	My **data analyses** have been featured by **UNDP**, **UNHCR**, the GDELT project and **Kantar Info Beautiful Awards**	My agent-based & system dynamics **simulation models** t 3 of the 10 categories on **runthemodel.com** Ecosystem& Social Dynamics **AnyLogic**	**Languages** As native: **EN, HU, RO** Medium: FR, DE
7y Research Ast	3 DAN in **Kendo**	RG: 15.3 h-index: 3				
4y Teaching Ast	2 World & 4 Euro Championships	PI on 2 **research grants**, Co-I on 3	ZFEP **jury member**	**Pro** in **D3**, D3plus, Seaborn, Bokeh, **PowerBI**, superset, HTML + CSS + JS	**Pro** in **Python, Pandas**, NumPy	**30+** presentations around the **world**
4y Development	**Climbed** Mont Blanc Stok Kangri **6153m**	Research featured in **Times**, Quartz, with over **100,000 reads**	**1000** blog followers			**Pro** in impress.js, **slides.com**, live
3y **Data Science**	**Visited 50** countries **Lived in 5** on 3 cont		Live workshops on **dataviz, datactivism**			
PhD thesis ➲						
MSc thesis ➲						
BSc thesis ➲						
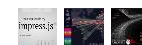
Dénes is an **assistant professor** in *Energy Storage Systems Dynamics* with *Energy Lancaster* and an **independent consultant** in **data science** and **energy**. His research interests include system dynamics, energy transitions, energy storage, **data visualization**, data mining, machine learning, **AI** and agent-based modeling.

He is a well-known researcher in the field of **sustainable energy transitions** and **biophysical economics**. With a *PhD* in *Interdisciplinary Engineering* from *Masdar Institute*, in collaboration with *MIT*, his research has been published in *Nature* and it has been featured in *The Times*. He currently leads an **energy data analytics** project at Lancaster University.

When not in front of the computer, Dénes roams the **mountains** of the **Himalaya** and the **jungles** of **Africa** to hold workshops on **sustainability** and **renewable energy**. His **datactivism** blog *Try something new. Everyday.* Is followed by 1000, exploring topics in **development** through **story-telling with data**.