



Delia DIMITRIU (Ciaco), PhD

PERSONAL INFORMATION

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✉ delia.dimitriu@cp.catapult.org.uk; d.dimitriu@mmu.ac.uk

Sex F | Date of birth 03/05/1957 | Nationality Romanian | Citizenship Romanian & British

POSITION

Climate Impact Director, Smarter Mobiliy Solutions, Manchester, UK

Associate Connected Places Catapult, London, UK

WORK EXPERIENCE

01/2017- PRESENT

Climate Impact Director,

Smarter Mobiliy Solutions Ltd., 4 Copper Place, apt 5.,Manchester, UK

<http://smartermobility.eu/>

Role

- Develop the Company's **Strategy** and design **Action Plans** on climate impact in cities, transport.
- Shape, develop and coordinate the implementation of **low carbon integration mobility programmes & projects**
- **Identify Innovative solutions** related to climate aspects in transport and cities
- Explore **needs, gaps and barriers** related to waterborne initiatives; focus on Danube river and its basin; provide solutions
- Identify measures on climate change mitigation and adaptation linked to urban and rural mobility & cities-waterborne interaction.
- Develop a programme on **responsible research & innovation**; link to ETPs R&I Agenda (ACARE, ALICE; ETRAC, ERRAC, etc.).
- Identify strategic opportunities at EU & international level and liaise with several expert networks.
- Develop the **societal dimension** in policy-research-practice; engage with communities
- Explore scenarios for transport sector to **assess routes to decarbonisation**, and advise stakeholders on policy options and uncertainties;
- Develop **climate action Policy tools**;

01/2016- PRESENT

Associate, Connected Places Catapult

1 Sekforde St.London, EC 1R 0BE

<https://cp.catapult.org.uk/>

The connected Places Catapult (CPC) is one of eleventh elite technology and innovation centres established and overseen by the UK's innovation agency, Innovate UK

Role

- Identify opportunities for collaboration with partners from UK & Europe.

- Engage with various stakeholders and promote CPC's values and capabilities.
- Assist CPC in developing project proposals.
- Involve with several networks in climate action to strengthen CPC's visibility
- Represent CPC in several debates, upon request
- Contribute to designing road-maps to scale up innovations.

09/2000- PRESENT

Research Fellow,

Manchester Metropolitan University, All Saints Building, All Saints, Manchester, M15 6BH, UK <http://www2.mmu.ac.uk/>

Role

Undertaking research & consultancy work on:

- climate change mitigation, policies & practice
- environment in transport sector (focus on aviation); conduct case studies in several countries world-wide;
- aviation biofuels value chain (Australia, Brazil, China, India, Romania);
- sustainability, EIA & SEA;
- policy making process in transport sector;
- EU/ETS, offset programmes, carbon footprint and fuel management.
- Developing assessment and strategic tools for transport assessment & infrastructure needs.
- Involved in the **IPCC process, Lead Author AR5, WG3-Mitigation, Transport**
- Involved in developing a global strategy to limit or reduce greenhouse gas emissions attributable to international civil aviation (IPCC Report on Aviation and the Global Atmosphere, 1999; part of the group awarded with 2007 Nobel Peace Prize). Liaised and ensured cooperation with European and international organizations (IATA; ACI; EIA; ICAO-CAEP, UNFCCC) and bodies whose environmental activities are of importance to CATE
- Member of EC Transport |Advisory Group for H2020 programme, 2013-present (2016).
- Member of the planning committee of the **EU_US Cooperation Programme** on low carbon mobility towards a sustainable future (2016/17)
- Joint collaboration programs with Consortium Partners, (EU-H2020; FP7, CleanSky, EUROCONTROL, etc.)
- Independent evaluator of the environmental impact and Environmental Impact Assessments of various proposed major airport development proposals in the CEE region; integrating aviation to transport sector.

09/2009 - 08/2012

Environmental Specialist (PT)

The Louis Berger Group; location Romania, Șoseaua Nicolae Titulescu 1, București 10146, Romania, <http://www.louisberger.com/>

Involved in several projects related to airport master plan, airport development, runway extension; provide low carbon solutions

10/ 2006 -05/ 2010

Consultant- Business Development

EC Harris (www.echarris.com), UK & Romania offices

- Conducted projects on airport and engine emissions.
- Advised and assisted the development of criteria and methods to implement studies on environmental assessment at several airports (i.e. Heathrow; T5).

07/1996 -08/2000

Manager Environment & Work Safety

TAROM, Romanian Air Transport, Bucharest, www.tarom.ro

- Conducted studies, developed and analyzed policies and strategies related to sustainable aviation, with focus on aircraft noise and engine emissions;
- Worked on aviation environmental impact and developed an air traffic management tool that can accommodate the traffic growth within environmental limits, including the elaboration of the Environmental and Social Action Plan; focus on fuel efficiency and low emissions solutions through operations.

EDUCATION AND TRAINING

09/2002- to 07/2007

Manchester Metropolitan University, Manchester, UK

Ph.D. in Strategic Environmental Assessment for the Aviation Sector

09/1998 – 08/1999

European Association of the Environmental Management Education

(studied in Greece, The Netherlands; Diploma with Hons & Prize from Varese- Italy)

09/1978 – 07/1983

MSc in Environmental Management System for an Airline

University "Politehnica", Bucharest, **BSc and MSc** in Science: Chemical engineering

PERSONAL SKILLS

MOTHER TONGUE Romanian

OTHER LANGUAGE(S) English , Level C2 understand; C2 speaking; C2 writing.

French, Level B1 understanding; A2 speaking; A2 writing

COMMUNICATION SKILLS – Good communication skills gained through my experience as academic, project manager and training in leadership for environment and development at Int'l level.

ORGANISATIONAL/ Leading different teams across several countries as part of EC & industry projects; member in several organising committees to organise events world-wide.

MANAGERIAL SKILLS PI & CoPI to several projects; managed research teams in UK, Romania and Int'l

JOB RELATED SKILLS Good knowledge in setting up research priorities and develop strategies for different stakeholders in transport sector & climate change adaptation and mitigation

COMPUTER SKILLS Good command of Microsoft office tools.

OTHER SKILLS ability to engage with different persons from different cultures; involved in charity work .

ADDITIONAL INFORMATION

PUBLICATIONS Yang, Z, Poo, M, Galatioto, ., **Dimitriu, D**, Qu Z, Rushton, C, Lee, P, Guan, B, Woodward, N (2020). Key Green Performance Indicators (KGPIs) for vehicle cleanliness evaluation: A buyer choice. Transportation Research Part D: Transport and Environment, (TRD_102505, accepted August 2020);
 Wang, T, Qu, Z, Yang, Z, Nichol, T, **Dimitriu, D**, Clarke, G, Bowde, D and Lee, P (2020) Impact analysis of climate change on rail systems for adaptation planning: A UK case. Transportation Research Part D: Transport and Environment. ISSN 1361-9209 (accepted April 2020)
 Wang, T, Qu, Z, Yang, Z, Nichol, T, **Dimitriu, D**, Clarke, G and Bowden, D (2019) How can the UK road system be adapted to the impacts posed by climate change? By creating a climate adaptation framework. Transportation Research Part D: Transport and Environment. ISSN 1361-920
 Sims R., R. Schaeffer, F. Creutzig, X. Cruz-Núñez, M. D'Agosto, **D. Dimitriu**, M. J. Figueroa Meza, L. Fulton, S. Kobayashi, O.Lah, A. McKinnon, P. Newman, M. Ouyang, J. J. Schauer, D. Sperling, and G. Tiwari, 2014: Transport. In: Climate Chang e2014: Mitigation of Climate Change. Contribution of Working Group III to the **Fifth Assessment Report of the Intergovernmental Panel on Climate Change** [Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwicker and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
Dimitriu, D., L. Dobbie, V. Galotti, A. Lieuwen, S. Nakao, D. Raper, H. Somerville, R.L. Wayson, S. Webb (1999). *Aviation and the Global Atmosphere*; Chapter 8: "Air Transport Operations and Relations to Emissions" , Intergovernmental Panel on Climate Change Special Report, Cambridge University Press, Cambridge, **pp: 271-291**
 De Lépinay, I., **Dimitriu,D.** & Melrose, A. (2006). *Environmental impact assessment of Continuous Descent Approaches at Manchester and Bucharest Airports*; Internoise2006, Hawaii;
Dimitriu, D & Martin, C. *Optimised trajectories for CDA; Asian & Korean case-study*, SEOUL Regional Aviation Authority, IP/08/2008, Seoul, South Korea;
Dimitriu, D et al. (2000) "Operational opportunities to minimize fuel use and emissions" ICAO Circular 303, AN 176.
Dimitriu D. (2008) *Operational Practices to Environmental Impact Reduction, in European Research; opportunities in aviation sector*, Tartu Aviation Academy; WP/04/2008.

PROJECTS

- EPSRC- Decarbonising Transport Sector-Network Plus (Innovate UK) 2019-2021
- UK -FSCDO_ Low carbon mobility in Danube Delta & Cluj-Napoca (Romania)_2021-2022
- ANIMA-Aviation Noise Impact Management through Novel Approaches (769627) 2017-2021; H2020
- ITAKA – Initiative Towards Sustainable Kerosene for Aviation (308807) 2012-2016, European Commission 7th Framework Programme for RTD
- X-NOISE EV (265943) – Aviation Noise Research Network and Coordination (265943) 2010-2015, European Commission 7th Framework Programme for RTD

CONFERENCES- Key Note

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- EU-USA Cooperation Programme: *Decarbonising Transport for a Sustainable Future: Megaregions*; 11-13 May 2016-Washington, US
- AIDAA XXIV International Conference: *Low carbon aviation: solutions and gaps in implementations*; 18-22 September 2017 | Palermo – Enna
- Turkey in Horizon2020 project; international brokerage event 'Cities of The Future 2017': *Air Quality and Transport Impact on Health*; 26-27 October 2017; Brussels

- Deltas & Wetlands” DDNI Scientific Event Community, 27-th edition: *Decarbonising inland-waters*; 5-7 June, 2019, Tulcea, Romania
- Deltas & Wetlands” DDNI Scientific Event Community, 28-th edition, Tulcea, September 14 - 16, 2021 (keynote).
- 2021 Green Cities Forum Conference: Environmental Public Policies (9-11 Sept 2021).
- IEEE International Smart Cities Conference 2021 , September 9-10, 2021 (online).
- CEAS 2017 Conference: *Sustainable aviation- identifying gaps in implementation*; 16-20 October 2017, Bucharest, Romania
- DfT – Transport Strategy: *Air quality in local areas and Clean Air Zones*; 9 Nov, 2018, London, UK
- GARDN- 2018 Canadian Aerospace Summit: Aviation and health impact: noise and emissions interdependencies: opportunities for cooperation; 13-14 Nov, 2018, Ottawa, Canada
- ITS-Turkey: *Smart Cities and IM; UK Case-studies*; 10-11 April, Istanbul, Turkey
- Deltas & Wetlands” DDNI Scientific Event Community, 27-th edition: *Decarbonising inland-waters*; 5-7 June, 2019, Tulcea, Romania

HONOURS AND AWARDS

2007 Nobel Peace Prize for Contribution to Climate Change;

Gold medal at the International Invention Saloon, Geneva 1994;

Several national (Romania) prizes for researching & producing ECO-particle boards made of waste materials and used in building construction.

PATENTS

USA 5,252,276; RO 105381, RO 105706 B1, RO 107927 B1, USA 5,252,276 on waste to materials for building construction

MEMBERSHIP

TAG (Transport Advisory Group) - European Commission/DG R & I (2013-2018); input in H2020/Transport

ACARE_WG3/Environment & Energy, WG1, Societal Challenge & Mobility

EARTO- European Association of Research and Technology Organisations

AAAE (The American Association of Airport Executives)

LEAD int. (Leadership for Environment and Development) –LEAD Fellow

IEMA (Institute of Environmental Management and Assessment)- UKEEMA- European Environmental Management Association

REFERENCES

Upon request.