Report on the outcomes of a presentation and participation in a ITC Conference[1]

Action number:

Grantee name:

Conference Details

Conference title: NanoteC23, Carbon Nanoscience and nanotechnology

Conference web-page: https://www.nanotec23.com/

Conference venue[2]: Fulton Building University of Sussex, Falmer, Brighton, BN1 9RH

Conference start and end date: 28/08/2023 to 01/09/2023

Accepted contribution details

Title of the presentation: **Spectroscopic characterization of (C69N)2 isomers.**

Type of the presentation: (oral/**poster**)

Co-authors: Christian Kramberger, Ilias Maniatis, Thomas Pichler, Nikos Tagmatarchis

Other details of the presentation: pag 54 of the abstract book

Outcome of the conference participation

Description of the outcome of the presentation of the accepted contribution, in terms of grantee's visibility, including the establishment of new contacts for future collaborations

The conference got off to an unexpected start with flight cancellations and strikes causing some issues. However, we successfully managed to attend the conference and present our results to a diverse audience.

Throughout the conference, I had the opportunity to learn several valuable lessons that will greatly benefit my scientific career. One example was after attending a talk where I spoke with the presenter and discovered the importance of incorporating a conductive polymer between my 2D materials (MoS2 or WS2) and ITO. This would help reduce the Schottky Barrier and enhance the quantum efficiency of solar cells. Additionally, I expanded my scientific knowledge in various nanotechnology areas.

I presented my poster to many conference attendees, explaining my research purpose and the objectives of Nanospace. One particular highlight was discussing my work with Chris Ewels, who

[1] This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.
[2] For an online conference, specify virtual participation; for hybrid conferences, specify whether it is an in-person or virtual participation.

expressed interest in collaborating with us. Furthermore, I had the chance to meet other Nanospace members, including Yuri Tanuma and Jorge Laranjeira. To my surprise, Yuri turned out to be a current collaborator that I wasn't aware of, leading to a fruitful conversation. Jorge, on the other hand, is researching fullerenes and their behavior under high pressures, forming new covalent bonds between materials. We discussed the possibility of subjecting my dimers to high pressures in the future, potentially combining our research efforts.

Acknowledgement of inclusion of necessary supporting documents to claim the grant

I confirm that the following documents have been uploaded on e-COST as an integral part of this report:

- the certificate of conference attendance.

- the programme of the conference or book of abstracts / proceedings indicating the presentation (oral or poster) of the grantee.

- copy of the given presentation (oral or poster).