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If a PhD thesis contains articles (i.e. published journal and conference articles, unpublished manuscripts, chapters, etc.) written in collaboration with other researchers, a co-author statement verifying the PhD student's contribution to each article should be made.

If an article is written in collaboration with three or less researchers (including the PhD student), all researchers must sign the statement. However, if an article has more than three authors the statement may be signed by a representative sample, cf. article 12, section 4 and 5 of the Ministerial Order No. 1039, 27 August 2013. A representative sample consists of minimum three authors, which is comprised of the first author, the corresponding author, the senior author, and 1-2 authors (preferably international/non-supervisor authors).

DTU has implemented the Danish Code of Conduct for Research Integrity, which states the following regarding attribution of authorship:

"Attribution of authorship should in general be based on criteria a-d adopted from the Vancouver guidelines<sup>1</sup>, and all individuals who meet these criteria should be recognized as authors:

- a. Substantial contributions to the conception or design of the work, or the acquisition, analysis, or interpretation of data for the work, *and*
- b. drafting the work or revising it critically for important intellectual content, and
- c. final approval of the version to be published, and
- d. agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved."<sup>2</sup>

For more information regarding definition of co-authorship and examples of authorship conflicts, we refer to DTU Code of Conduct for Research Integrity (pp. 19-22).

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<sup>&</sup>lt;sup>1</sup> International Committee of Medical Journal Editors – Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals, updated December 2016

<sup>&</sup>lt;sup>2</sup> DTU Code of Conduct for Research Integrity (E-book p. 19)

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## Title of article

Minute-Scale Wind Vector Forecasting Using Scanning Lidar Inputs to a Convolutional LSTM Neural Network

Journal/conference

**Designated for Atmospheric Measurement Techniques (AMT)** 

Author(s)

Elliot Simon and Michael Courtney

Name (capital letters) and signature of PhD student

ELLIOT SIMON, ellsim

PhD student's date of birth

13/03/1990

**Declaration of the PhD student's contribution** 

For each type of work, please specify below the contribution as appropriate

Ellist Simon

	Minor contribution to the work (please specify)	Substantial contribution to the work (please specify)
Formulation of the conceptual framework and/or planning of the design of the study including scientific questions		<ul> <li>Overall concept and formulation of the research work and objectives</li> <li>Envisioning and planning the field experiment</li> </ul>
Carrying out of experiments/data collection and analysis/interpretation of results		<ul> <li>Conducting (i.e. preparing, deploying, monitoring, decommissioning, etc.) the field experiment</li> <li>Data collection and processing</li> <li>Coding analysis tools</li> <li>Interpreting results</li> </ul>
Writing of the article/revising the manuscript for intellectual content		<ul> <li>Writing the manuscript</li> <li>Revising the manuscript following feedback from coauthor</li> </ul>



Title of article					
Minute-Scale W	ind Vector Forecasting Us	sing Scanning Lidar Inp	uts to a Convolutional LSTM Neural Network		
Journal/confere					
Designated for A	Atmospheric Measureme	ent Techniques (AMT)			
Author(s)					
Elliot Simon and	Michael Courtney				
Name (capital letters) and signature of PhD student					
ELLIOT SIMON, ellsim					
PhD student's date of birth					
13/03/1990					
Signatures					
Date	Name	Title	Signature		
28/02/2019	Elliot Simon	PhD Student	Ellet Sygon		
4/03/2019	Michael Courtney	Senior Scientist	M. lout		

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