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Influence of computation algorithm on the accuracy of rut depth measurement

Di Wang, Augusto Cannone Falchetto, Matthias Goeke, Weina Wang, Tiantian Li, Michael P. Wistuba

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## ACCEPTED MANUSCRIPT

## 1 Original Research Paper

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3	Influence of computation algorithm on the
4	accuracy of rut depth measurement
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6	Di Wang <sup>a,b</sup> , Augusto Cannone Falchetto <sup>a,*</sup> , Matthias Goeke <sup>a</sup> , Weina Wang <sup>c</sup> ,
7	Tiantian Li <sup>b</sup> , Michael P. Wistuba <sup>a</sup>
8	
9	<sup>a</sup> Department of Civil Engineering, Technische Universität Braunschweig, Braunschweig 38106, Germany
10	<sup>b</sup> Key Laboratory for Special Area Highway Engineering of Ministry of Education, Chang'an University, Xi'an
11	710064, China
12	<sup>c</sup> School of Civil Engineering, Chongqing Jiaotong University, Chongqing 400074, China
13 14	Highlights
15	<ul> <li>The multipoint laser detection technology for rut depth measurement was applied.</li> </ul>
16	The difference value between straight-edge method and wire line method was calculated.
17	• The effect of rutting shape and rut depth magnitude on the accuracy of rut depth measurement was
18	analyzed.
19	
20	
21	Abstract
22	Rutting is one of the dominant pavement distresses, hence, the accuracy of rut depth measurements
23	can have substantially impact on the maintenance and rehabilitation (M & R) strategies and funding
24	allocation. Different computation algorithms such as straight-edge method and wire line method, which

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