

- SOURCE: 1 University of Applied Sciences and Arts of  
Western Switzerland, HES-SO FR, Fribourg,  
Switzerland.
- 2 Department of Radio Science and Engineering  
Aalto University, Espoo Finland.

## Specular Reflection Formulation for Point Cloud Modelling

**Jean-Frederic Wagen**

HES-SO Fribourg  
University of Applied Sciences and Arts  
Western Switzerland  
EIA-FR Prolles-80  
P.O. BOX 32  
CH-1705 Fribourg  
Phone: : +41 79 409 0880  
Fax: +41 26 429 66 03  
Email: jean-frederic.wagen@hefr.ch

**Usman Tahir Virk, Katsuyuki Haneda**

Aalto University  
School of Electrical Engineering  
Department of Radio Science and Engineering  
P.O. BOX 13000  
FI-0076 AALTO  
Finland  
Phone: +358 5 042 05863, +358 50 420 5823  
Fax: +358 9 470 22152  
Email: usman.virk@aalto.fi,  
katsuyuki.haneda@aalto.fi