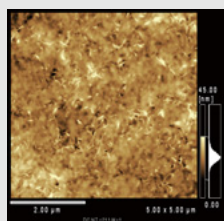


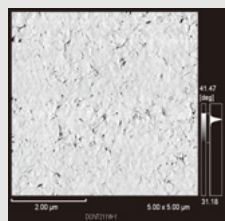
# MWNTを分散した透明導電塗料薄膜の分散評価

## Evaluation of Transparent Electroconductive Paints Distributed MWNT

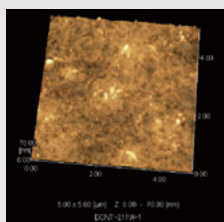
**水系塗料 (10nm)** Water Type Coating Compound (10nm)  
Transmittance : 93.66% Conductivity :  $2.8 \times 10^6 \Omega/\square$



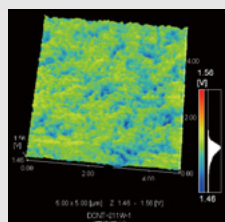
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



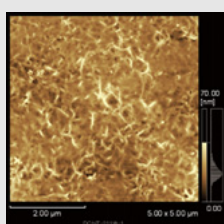
位相像  $5\mu\text{m} \times 5\mu\text{m}$   
Phase Image



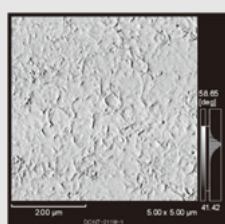
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



電位像  $5\mu\text{m} \times 5\mu\text{m}$   
Electric Potential Image

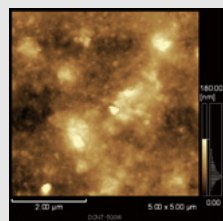


凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image

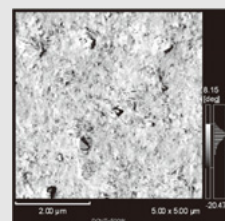


アセトンエッチング後の位相像  
Acetone Etched Phase Image

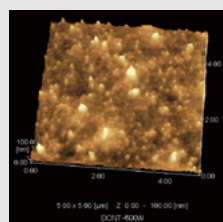
**水系塗料 (1~2nm)** Water Type Coating Compound (1~2nm)  
Transmittance : 96.05% Conductivity :  $1.5 \times 10^7 \Omega/\square$



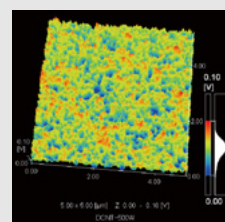
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



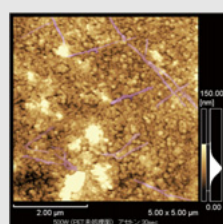
位相像  $5\mu\text{m} \times 5\mu\text{m}$   
Phase Image



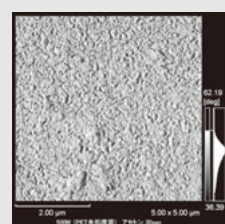
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



電位像  $5\mu\text{m} \times 5\mu\text{m}$   
Electric Potential Image

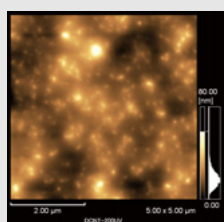


凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image

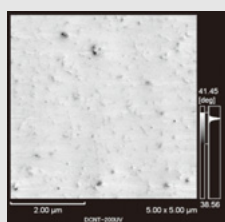


アセトンエッチング後の位相像  
Acetone Etched Phase Image

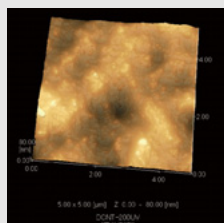
**UV系塗料 (10nm)** Resin Type Coating Compound (10nm)  
Transmittance : 97.97% Conductivity :  $5.0 \times 10^7 \Omega/\square$



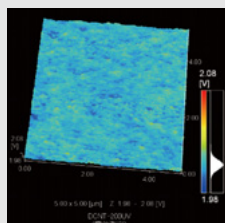
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



位相像  $5\mu\text{m} \times 5\mu\text{m}$   
Phase Image

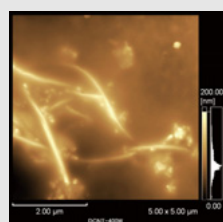


凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image

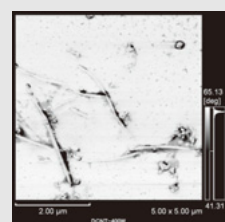


電位像  $5\mu\text{m} \times 5\mu\text{m}$   
Electric Potential Image

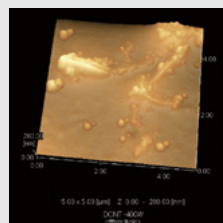
**水系塗料 (70nm)** Water Type Coating Compound (70nm)  
Transmittance : 91.82% Conductivity :  $3.5 \times 10^{10} \Omega/\square$



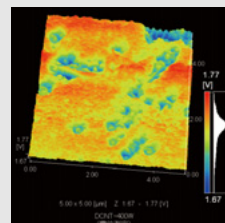
凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



位相像  $5\mu\text{m} \times 5\mu\text{m}$   
Phase Image



凹凸像  $5\mu\text{m} \times 5\mu\text{m}$   
Topographic Image



電位像  $5\mu\text{m} \times 5\mu\text{m}$   
Electric Potential Image

(基板:PET) Substrates : PET

試料ご提供: 大同塗料株式会社  
Materials supplied by DAIDO CORPORATION