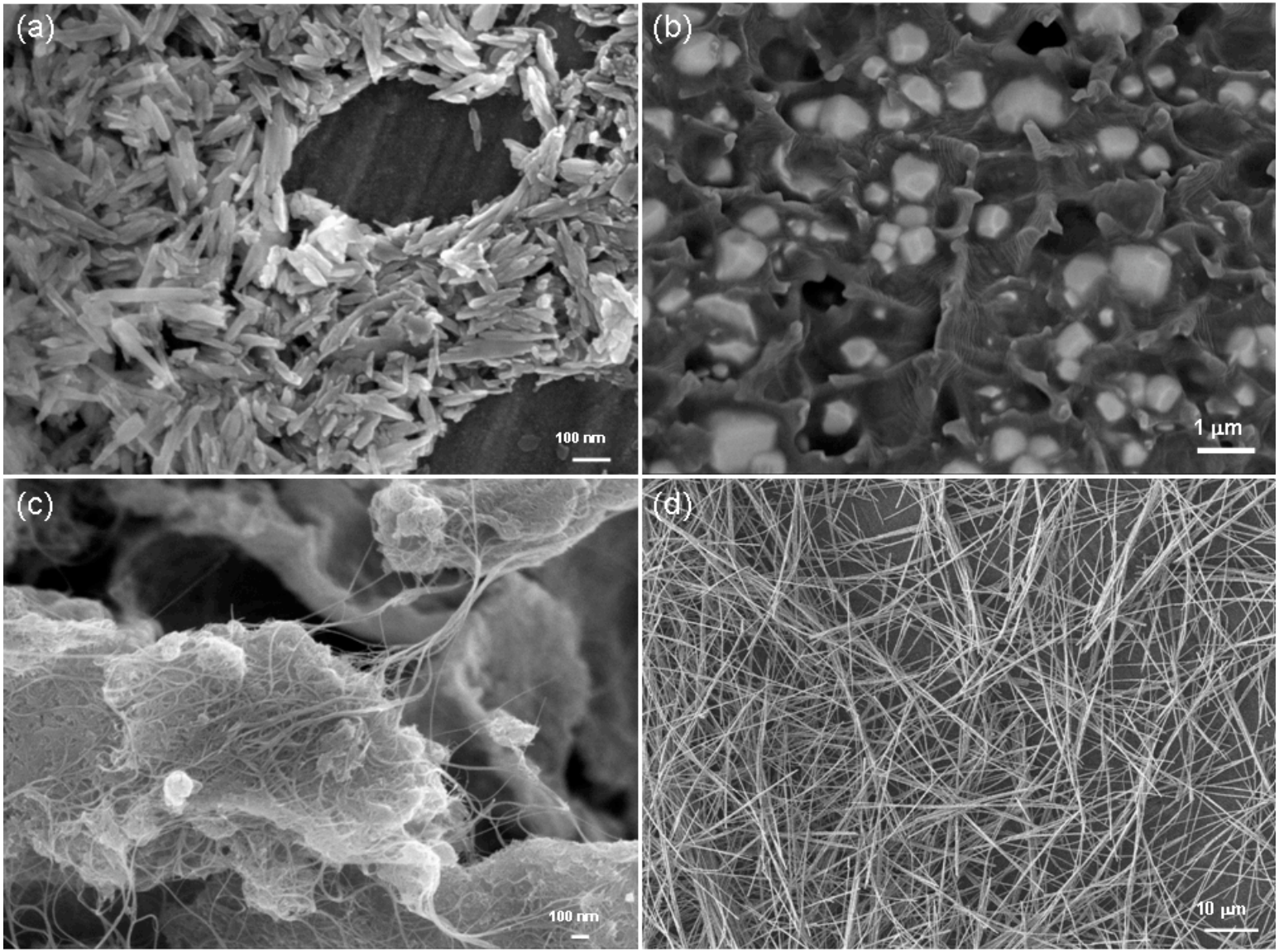
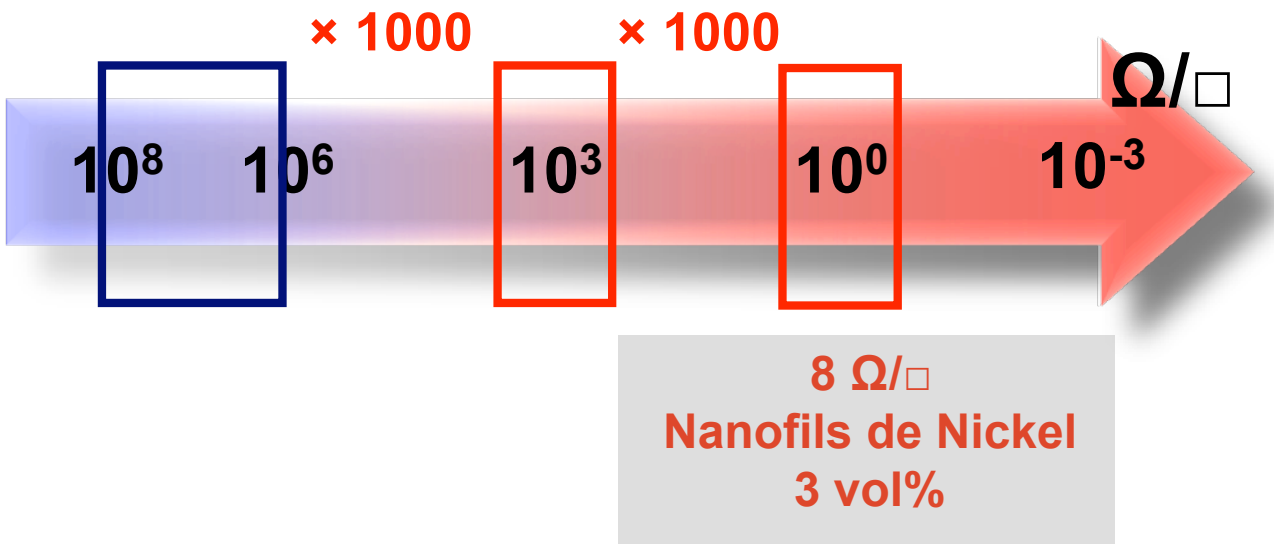
Nanoparticules, nanotubes,nanofils



Nanocomposites multifonctionnels

Nanocomposite =
Matrice polymère
+ nanofils conducteurs
(quantité minimum)

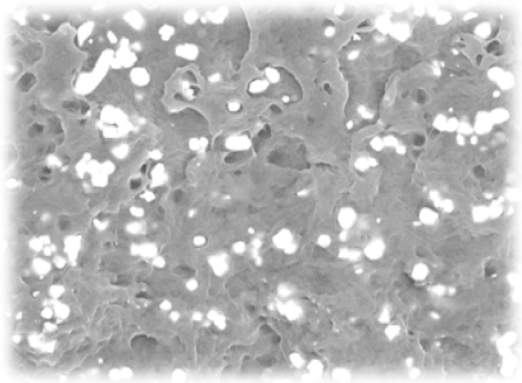


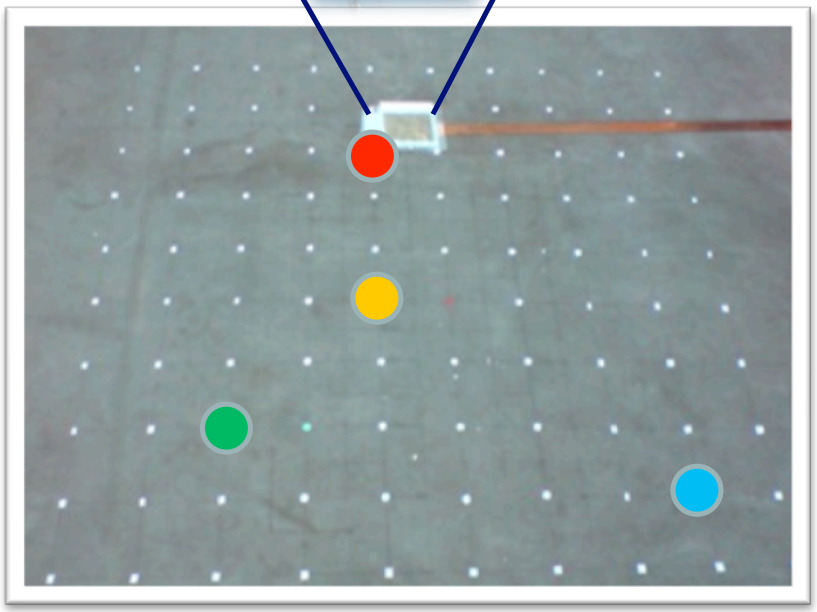
Optimum des propriétés mécaniques et électriques

Gain du nanocomposite polymère/nanofils :

Conductivité × 1 000 000

Nanocomposites intéractifs





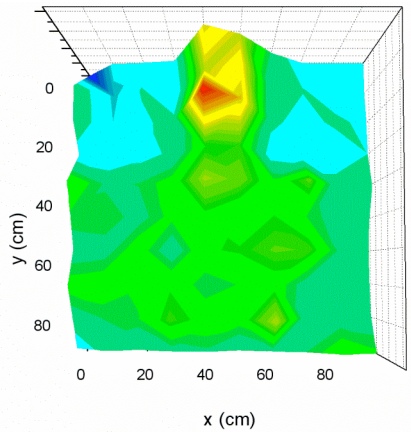
Echelle (m)

10^{-9}

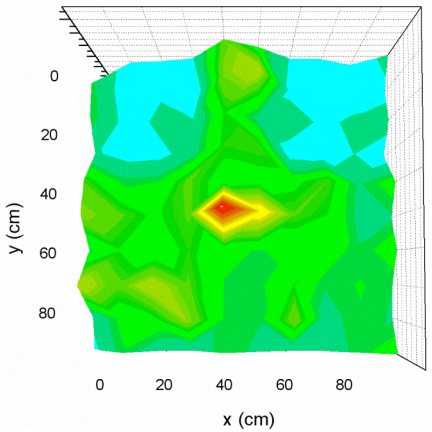
10^{-2}

1

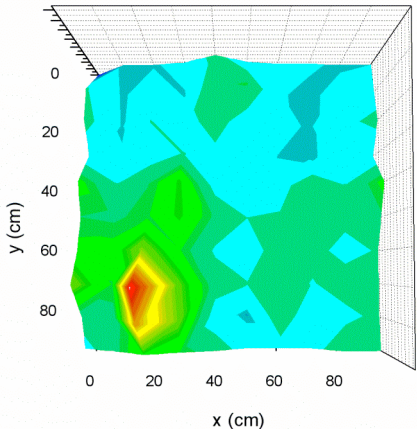
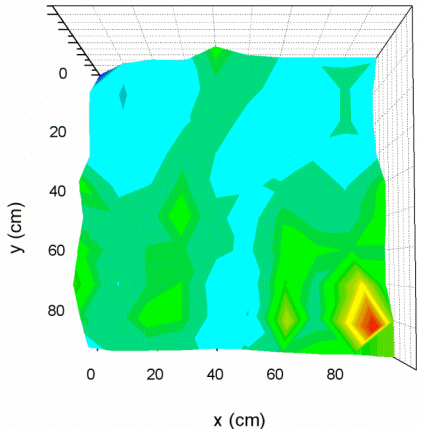
Impact zone 1



Impact zone 2



Impact zone 3



Impact zone 4