

Ph.D. program in Engineering and Applied Sciences

Ph.D. course on "Environmental friendly treatments for surface functionalizations"

Prof. Giuseppe Rosace

- 1) Surface material characteristics.
- 2) Physicochemical Surface Treatments (plasma and sol-gel techniques).
- 3) Surface Functionalizations to obtain specific properties (flame retardancy; UV-protection; water/oil - repellency; self-cleaning; antifouling; antibacterial; electrical conductivity; thermal insulator; sensing).
- 4) Characterization of surface properties.
- 5) Lab session.