

---

# New technologies in photovoltaic technology: electrical energy production from vertical walls

Fabio Viola\*<sup>1</sup>

<sup>1</sup>Dipartimento di Energia, ingegneria dell'Informazione e modelli Matematici [Palermo] (DEIM) – Viale delle Scienze, edificio 9 90128 Palermo, Italy

## Abstract

In this article the preliminary evaluation of the performance of a photovoltaic window is presented. The aim is to trace the behavior of next-generation systems, which favor architectural integration. Three different systems have been taken into account: a dye sensitized solar cell (DSSC), blue and grey caved silicon panels. The systems can be placed behind a window or behind a wall of glass blocks.

---

\*Speaker