

# Les Marcheurs de Nuit

(Night Walkers)

A music video that takes advantage of the latest research results in 3D watercolorization, for an original song by KLUGG, a pop-rock band.



This video demonstrates the pictorial effects that can be achieved by a watercolorization technique, published as a technical paper at Siggraph 2007 (Video Watercolorization using Bidirectional Texture Advection). 3D animations and real videos are interleaved and watercolorized to invite the audience into the dreamlike world of the song.

On the technical point of view, the animated watercolor method involves two main steps: the application of textures that simulate a watercolor appearance; and the creation of a simplified, abstracted version of the video/animation to which the texturing operations are applied. To ensure temporal coherence, we employ texture advection along lines of optical flow using an approach that minimizes distortions.

Why a music video to illustrate a research result? Simply because the designer in charge of the project is also on her spare-time the singer of a pop-rock band! The idea was to combine business with pleasure, which is quite motivating, isn't it?

Artistic team :

- **Laurence Boissieux**  
Director, 3D Modeling & Animation,  
SED/INRIA
- **KLUGG**  
Sound & Video

Watercolour effect researchers and developers:

- **Adrien Bousseau**,  
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