

# *The Infrared World*

*Infrared Black & White Photographs by*

M. PINAR MENGÜÇ

*Natasha's Cafe, Lexington, KY*

*May-June 2005*



## DETAILS.....

These photographs are chosen from the images recorded over the years in Turkey, Italy, France, Korea, as well as in Kentucky. Some of the images shown from Paris, France are probably well recognized land-marks; yet, most of the others depict locations not well known to outsiders (or insiders). In Turkey, the Cappadocia region is the best known of all places included here. It is in Central Turkey and well known for intriguing rock formations. Istanbul is better known, yet only a subtle image from Blue Mosque is included here. In Italy, Ravello is on the Mediterranean coast, not far from Napoli. Its high-level artistic appeal makes the place very attractive for infrared photography. The Moroccan images are mostly from Marrakech, a place with timeless textures.

All photographs were taken using Kodak Infrared Black and White film, with exposure index of 200. As it is well known, the human eye is sensitive to about 400 to 700 nm wavelength of the electromagnetic spectrum. The images shown here, however, were illuminated via light within the 650 to 900 nm wavelength range. The cut-off was achieved mostly using a #25 red filter. Because of the difference in the reflection/scattering characteristics of objects in the nature within this wavelength interval, some of these photographs look unusual. For example, clear sky appears black (scattered blue light is not recorded.) Foliage appears white, as leaves are highly reflective in the near infrared. The grain in these photographs is an integral part of the film used as well as the processing. The photographs displayed in this exhibit are the first originals. They are printed professionally by The Film Lab of Lexington, and mounted using museum-quality mounting and backing boards from Light Impressions.

M. Pinar Mengüç has been actively involved in photography for more than 25 years. This is his fourth photography exhibition. One of his Kentucky images won the Best of Show award at the Kentucky Moments exhibition in 1998, and several of his images were published by “Fotograf” a Turkish photography magazine, in 2001. He has been at the University of Kentucky since 1985, and is a professor of Mechanical Engineering. His research interests includes radiative transfer, optics, and recently nano-scale engineering.

The images exhibited at Natasha’s Café are for sale. Custom orders can be made for larger or smaller pictures. Please write to M. Pinar Mengüç at [infraredlife@yahoo.com](mailto:infraredlife@yahoo.com) or [menguc@engr.uky.edu](mailto:menguc@engr.uky.edu) for further questions.

These and other images can be found on the web at:  
[http://www.engr.uky.edu/~menguc/MPM\\_IR/](http://www.engr.uky.edu/~menguc/MPM_IR/)

*M. Pinar Mengüç*

