



PROFESSEUR TEHSHIK YOON
Department of Chemistry
University of Wisconsin-Madison

“ PHOTOCATALYSIS WITH VISIBLE LIGHT ”

Light can be considered a clean, renewable, and inexpensive “reagent” for chemical synthesis. Nevertheless, most conventional methods for the photochemical synthesis of organic compounds requires the use of specialized photochemical equipment that is capable of generating high energy ultraviolet light and containing it safely. This is a practical impediment that has prevented the wide adoption of photochemical synthesis in the fine chemicals industry. We have developed a strategy that exploits the reactivity of transition metal photocatalysts in order to perform a variety of synthetically useful cycloaddition reactions using visible wavelengths of light. By enabling the use of direct sunlight rather than high energy artificial UV light, we hope to establish a new, environmentally responsible approach to synthetic organic photochemistry.



> Mercredi 12 novembre 2014
> 11:00
> Salle 1035
Pavillon J.-Armand-Bombardier

> **BIENVENUE À TOUS !**



Faculté des arts et des sciences
Département de chimie

Merci à nos commanditaires

chimie.umontreal.ca