

*W. M. Keck Laboratories  
California Institute of Technology  
Pasadena, California 91125*

*18 August 1994*

TO: John H. Seinfeld, 104-44, X-4100

FROM: Michael Hoffmann, 138-78, X-4391

I would like to appoint *Dr. Hartmut Herrmann* as a Visiting Associate in Environmental Engineering Science for the period of 1 year starting on 15 September 1994 and continuing to 14 September 1995. Dr. Herrmann is currently an Instructor of Physical Chemistry at the University of Essen where he is associated with the group of Prof. Reinhard Zellner. His normal salary (\$45,250 per annum) and general benefits will be provided for him by his university. His appointment would not be supplemented by funds from my research grants (with the exception of health benefits which are required by Caltech). Dr. Herrmann was previously with me as a visiting associate from 1 September 1992 to 30 April 1993.

Dr. Herrmann has been extremely productive in the area of free radical chemistry in the aqueous phase. It is my belief that he is doing the best work in the world in this field (see his CV). During his previous stay with me he was extremely productive. The following papers resulted from our cooperative efforts over six months:

Martin, S. T.; Herrmann, H.; Choi, W.; Hoffmann, M. R. "Time Resolved Microwave Conductivity (TRMC): I. TiO<sub>2</sub> Photoreactivity and Size-Quantization," *Trans. Far. Soc.* 1994, *in press*.

Martin, S. T.; Herrmann, H.; Hoffmann, M. R. "Time Resolved Microwave Conductivity (TRMC): II. Quantum-sized TiO<sub>2</sub> and the Effect of Adsorbates and Light Intensity on Charge Carrier Dynamics," *Trans. Far. Soc.* 1994, *in press*.

One additional paper is in preparation. Please see his CV for a complete list of his publications. Thank you for your help on this appointment.