

## 2015 RESEARCH ACHIEVEMENT AWARD

With the 2015 Research Achievement Award, we recognize a chemical engineer who did nothing less than spearhead a research revolution when, in 1999, she co-authored a paper in the journal *Nature* that reported the first measurement of CO<sub>2</sub> solubility in an ionic liquid. She then began making novel ionic liquids, which have the potential for use in many applications, such as carbon capture and refrigeration. As *the* leading chemical engineering academic working on ionic liquids, she has accumulated more than 12,000 citations of her research. She currently serves as editor-in-chief of the *Journal of Chemical & Engineering Data* and has given more than 200 invited presentations. Her research has resulted in major grants from the Department of Energy and the National Science Foundation. She has won numerous prestigious awards and honors, including the Department of Energy's E.O. Lawrence Award and the election to the National Academy of Engineering. She has been instrumental in raising awareness of energy studies on campus, establishing the center now known as ND Energy and chairing the committee that created the energy studies minor.

The University of Notre Dame is proud to present the 2015 Research Achievement Award to

**Joan F. Brennecke**

*Keating-Crawford Professor of Chemical Engineering*