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Dr. Bare completed his undergraduate and graduate degrees in Chemistry at the University of Liverpool, UK. He obtained his Ph.D. in surface science in 1982, and then completed postdoctoral associate research at Cornell University (1982-84) and Lawrence Berkeley National Laboratory (1984-86), both in the area of surface chemistry as it relates to heterogeneous catalysis. He then spent ten years in Central Research at the Dow Chemical Company, before joining UOP in 1996, where he is currently an R&D Fellow. His research interests focus on the structure-property relationships of heterogeneous catalysts using in situ characterization techniques with an emphasis on X-ray absorption spectroscopy, x-ray microtomography and imaging techniques. He has published 91 journal articles and holds 10 US patents. He has been a user of the national user facilities since the late 1980's, particularly the synchrotron radiation light sources and has long been an advocate for the user facilities, including several terms on the UEC at the National Synchrotron Light Source. He is a Distinguished Scientist at Stanford Synchrotron Radiation Lightsource, SLAC National Accelerator Laboratory 2015-present. He is Member of the Basic Energy Sciences Advisory Committee 2008-present; the Scientific Advisory Committee, Photon Sciences Directorate, Brookhaven National Laboratory, 2010-present; Stanford Synchrotron Radiation Light Source Scientific Advisory Committee 2011-present; SUNCAT Scientific Advisory Committee 2011-present; PNNL Chemical Imaging Initiative Scientific Advisory Committee 2011-present; Panel lead, 2010 Scientific User Facilities Division COV, BES; DOE/BES Science for Energy Technology: Strengthening the Link between Basic Research and Industry, 2010, BESAC report, participant & co-author; and Chair 2009 COV Division of Materials Science & Engineering, BES.