## Contents

**Diffusion of Water in Adhesives**                      1  
John Comyn

**Water and Ions at Polymer/Metal Interfaces**          21  
Ralf Posner, Ozlem Ozcan and Guido Grundmeier

**Surface Treatments for Moisture Resistance**         53  
Gary Critchlow

**Influences of Water on the Adhesive Properties**     77  
Chiaki Sato

**Influence of Water on the Interface Properties**     95  
Hidetoshi Yamabe

**Prediction of Adhesion Strength for IC Plastic Package**  
**Under Humid Conditions—Fracture Mechanics Approach**  113  
Naotaka Tanaka

**Prediction of Joint Strength Under Humid Conditions:**  
**Damage Mechanics Approach**                           123  
Ian A. Ashcroft and Andrew D. Crocombe

**Prediction of Joint Strength Under Humid Conditions**  
**with Cyclic Loading**                                 147  
Andrew D. Crocombe and Ian A. Ashcroft
Design of Adhesive Joints Under Humid Conditions
da Silva, L.F.M.; Sato, C. (Eds.)
2013, VII, 182 p., Hardcover
ISBN: 978-3-642-37613-9