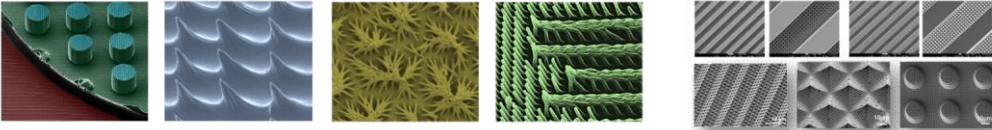
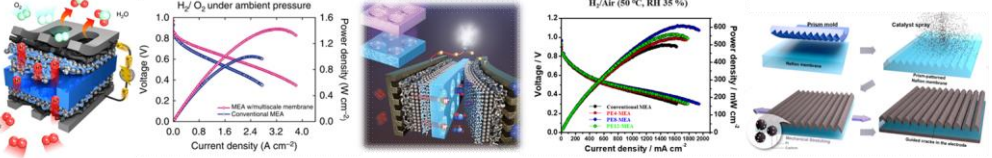
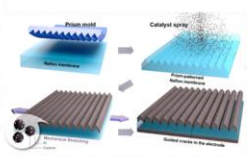



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Laboratory	Multiscale Architecturing Laboratory		
Homepage	<a href="https://inulab.wixsite.com/malab">https://inulab.wixsite.com/malab</a>		
Recruitment	<p>We are looking for highly motivated graduate students with an academic background in <a href="#">Mechanical Engineering</a>, <a href="#">Chemical Engineering</a>, <a href="#">Materials Science</a>, or <a href="#">Electrical Engineering</a>. Please send your expressions of interest to Prof. Sang Moon Kim via email.</p>		
Research fields	<p>Our research group focuses on developing nature-inspired micro/nano structures to enhance performance of polymer electrolyte membrane fuel cell (PEMFC) and to advance flexible electronic devices. Current activities include:</p> <ul style="list-style-type: none"> <li>● <b>Diverse multi-scale structure fabricating technologies</b> <ul style="list-style-type: none"> <li>• Multiplex lithography for multiscale, multi-level LEGO-like structures</li> <li>• Flexible polymer membranes with micro/nano-apertures</li> <li>• Multiscale patterning using creep-assisted sequential imprinting</li> </ul> </li> <li>● <b>Multiscale architectures for High-Performance Fuel Cells</b> <ul style="list-style-type: none"> <li>• PEMFC with thin but robust multiscale membrane</li> <li>• Plasma-etched polymer electrolyte membrane with micro-hole arrays</li> <li>• Enhancement of durable electrolyte membranes</li> </ul> </li> <li>● Flexible electronics and crack-based sensors</li> <li>● Nature-inspired interlocker and dry adhesive</li> </ul> <ul style="list-style-type: none"> <li>● <b>Diverse multi-scale structure fabricating technologies</b></li> </ul>  <ul style="list-style-type: none"> <li>● <b>High-Performance Polymer Electrolyte Membrane Fuel Cell (PEMFC)</b></li> </ul>   		
Supports	<p>Full scholarship (if satisfying the requirements of INU policy) along with living support</p> <ul style="list-style-type: none"> <li>- M.S. students: More than 1,000,000 KRW/month</li> <li>- Ph.D. students: More than 1,500,000 KRW/month</li> <li>- Extra incentive depending on students' achievements</li> </ul>		