


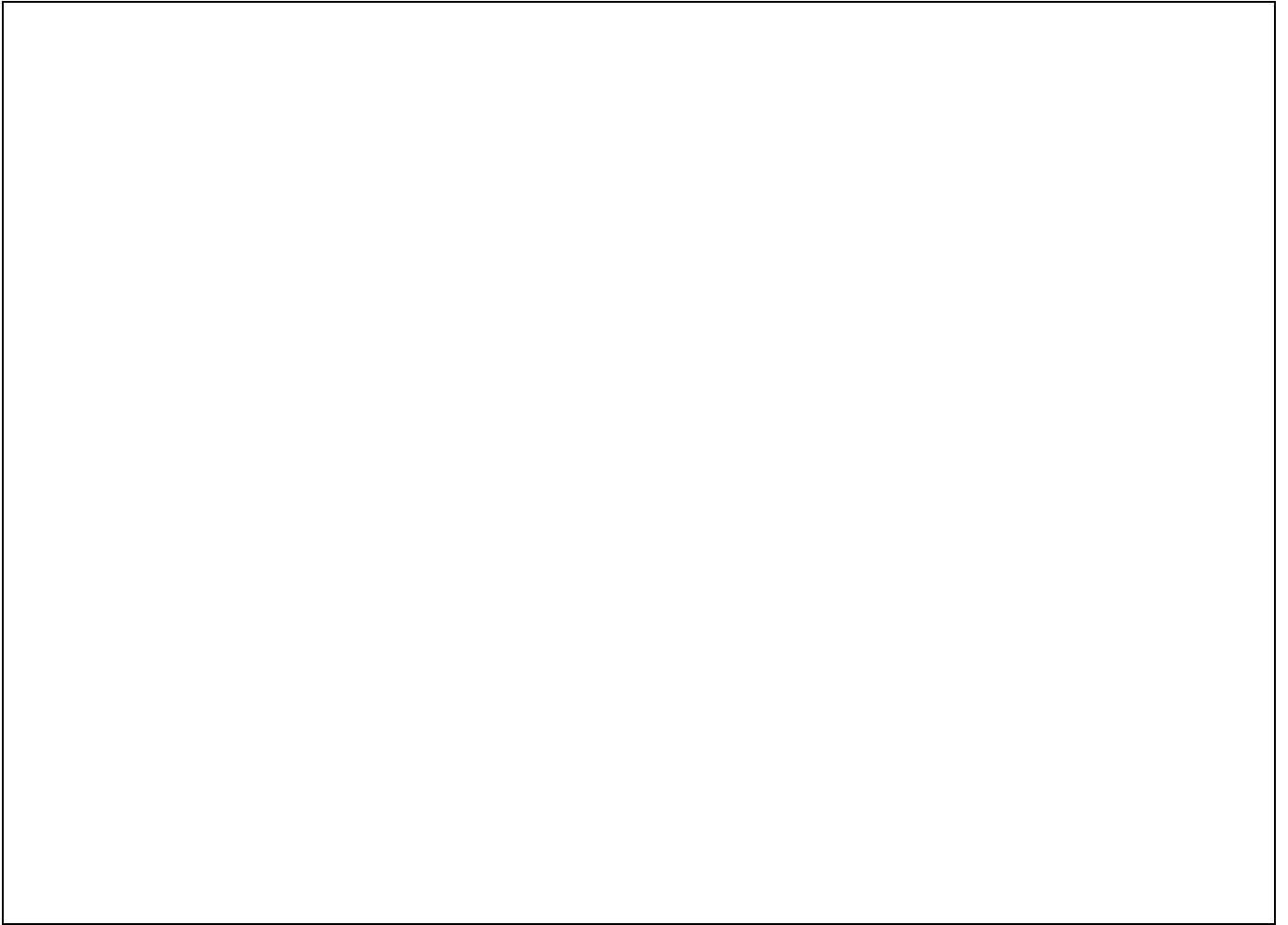
## Brief CV

Name	Tsukasa Yoshida	Gender	Male	
Title (Pro./Dr.)	Professor	Country	Japan	
Phone Number		<b>University</b> <b>Email</b>		
University/Department	Yamagata University, Graduate School of Science and Engineering, Department of Chemistry and Chemical Engineering			
Personal Web Sites	<a href="http://yoshidalab.yz.yamagata-u.ac.jp/">http://yoshidalab.yz.yamagata-u.ac.jp/</a>			
Research Area	Electrochemistry (Electrodeposition of functional thin films and their use in energy conversion and storage)			

Tsukasa Yoshida received PhD from Saitama University in 1995 on electrocatalytic reduction of CO<sub>2</sub> by macromolecular metal complex. Since 1995, he became assistant professor of Gifu University, Japan, 2005-2012 Associate Professor of the same university, and got the present appointment as a full professor of Yamagata University since 2012. He is also the head of Organic Solar Cell Division of Research Center for Organic Electronics (ROEL) of Yamagata University.

Throughout his career, he was engaged in research on processing of thin film and nanomaterials and their use in energy conversion and storage by electrochemical methods. Specifically, he is the pioneer of electrochemical self-assembly of hybrid thin films of inorganic compound semiconductors (such as ZnO and CuSCN) and organic dye molecules from one pot containing all the chemical ingredients. Through research to reveal mechanism of hybridization and to establish methods of control, these hybrid thin films became useful material for realization of flexible dye-sensitized solar cells.

While the research on organic solar cells continues to pursuit possibilities of organic charge transfer salts as light absorbers to eliminate voltage losses, his current work stems towards development of energy storage techniques via redox flow batteries and electrocatalytic water splitting and CO<sub>2</sub> reduction.



**\*\*\*\*All the columns need to be filled in.**