Symposium I
"Any new photovoltaic materials superior to CIGS?"

Preface

Ternary and multinary compounds are the critical materials for today's thin film photovoltaic technologies. In particular, industrialization of CIGS ($CuIn_{1-x}Ga_xSe_2$) solar cells progresses steadily and their production exceeds 1GW/year now. However, we believe that the potential of ternary and multinary compounds for photovoltaic applications has not been explored thoroughly, and there must be materials superior to CIGS whose potential is not yet proved entirely. The objective of Symposium I which is entitled "*Any new photovoltaic materials superior to CIGS* ?" is to discuss the potential of ternary and multinary compounds for photovoltaic applications and then discuss the strategy to develop new materials superior to CIGS. The following speakers are prepared to present topics for the discussion:

R. Scheer: A unique material? - Historic achievements of CIGS research
H. Katagiri: Recent progress and future aspects of CZTS solar cells
T. Minemoto: Development of chalcogenide compound semiconductors for solar cell applications
A. Wakamiya: Recent progress of perovskite solar cells
N. Terada: Characterization of materials for solar cells by direct and inverse photoemission spectroscopy
T. Sakrai: Electrical and optical characterization of compound semiconductors for solar cells

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