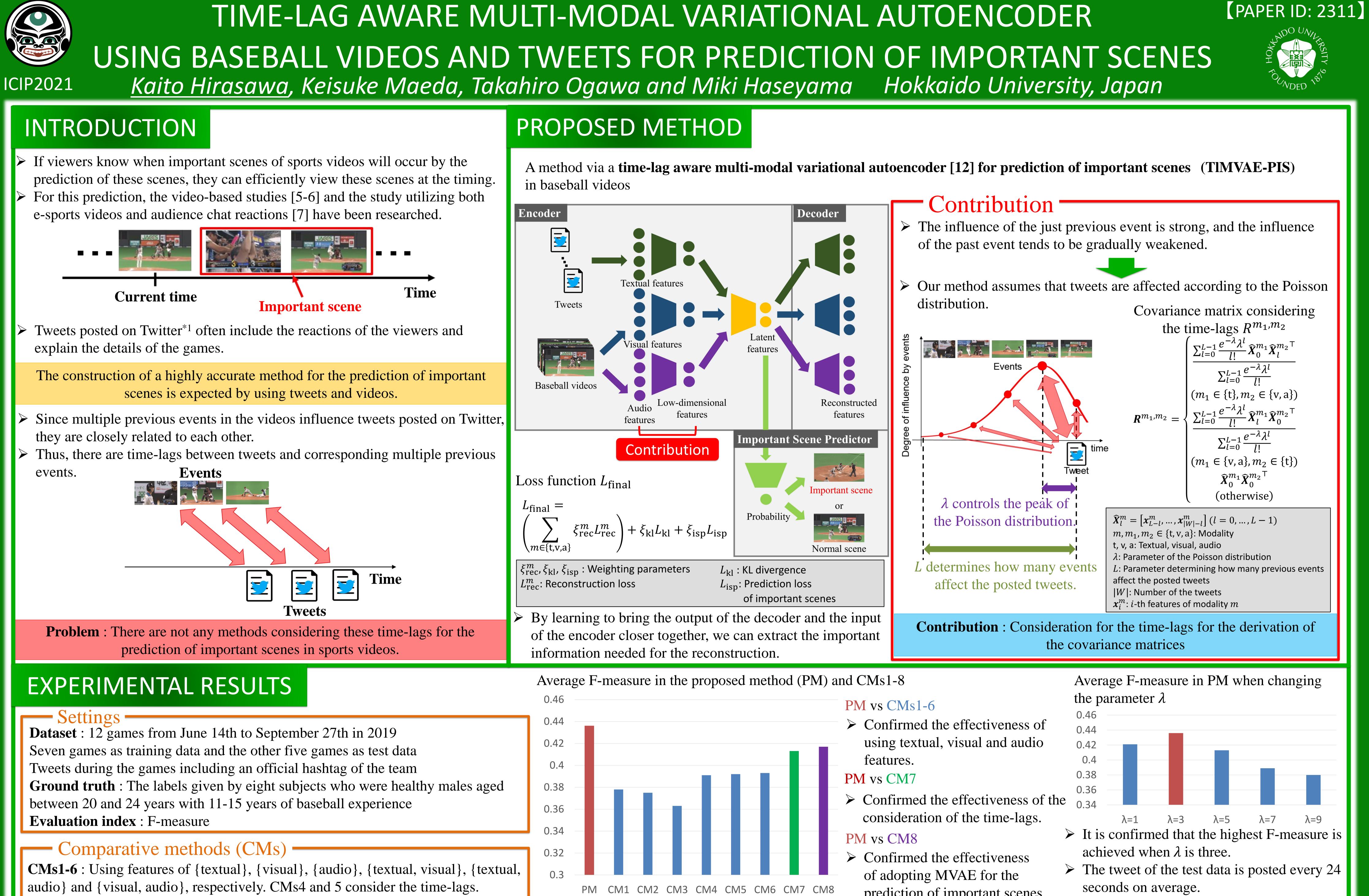
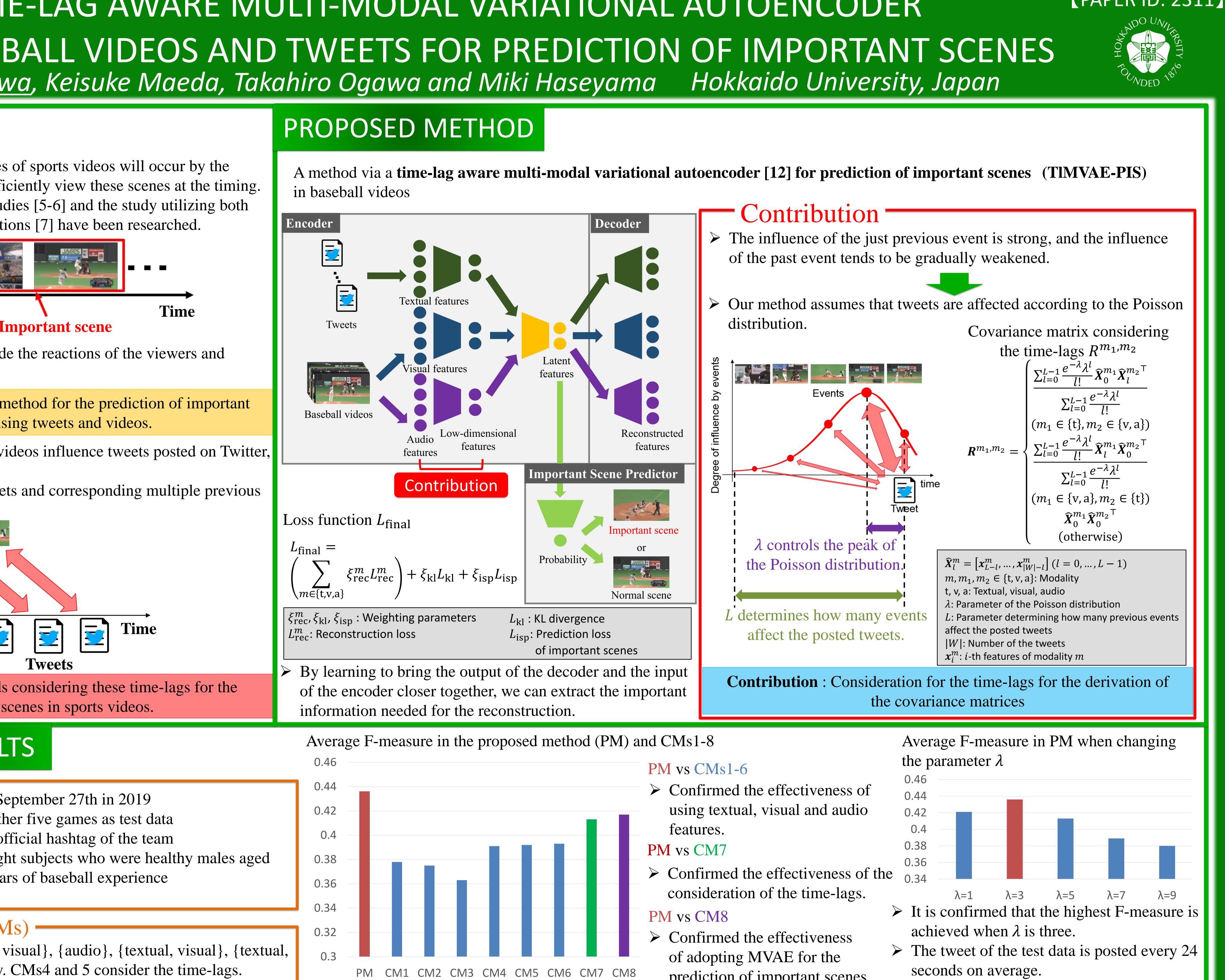


# TIME-LAG AWARE MULTI-MODAL VARIATIONAL AUTOENCODER Kaito Hirasawa, Keisuke Maeda, Takahiro Ogawa and Miki Haseyama

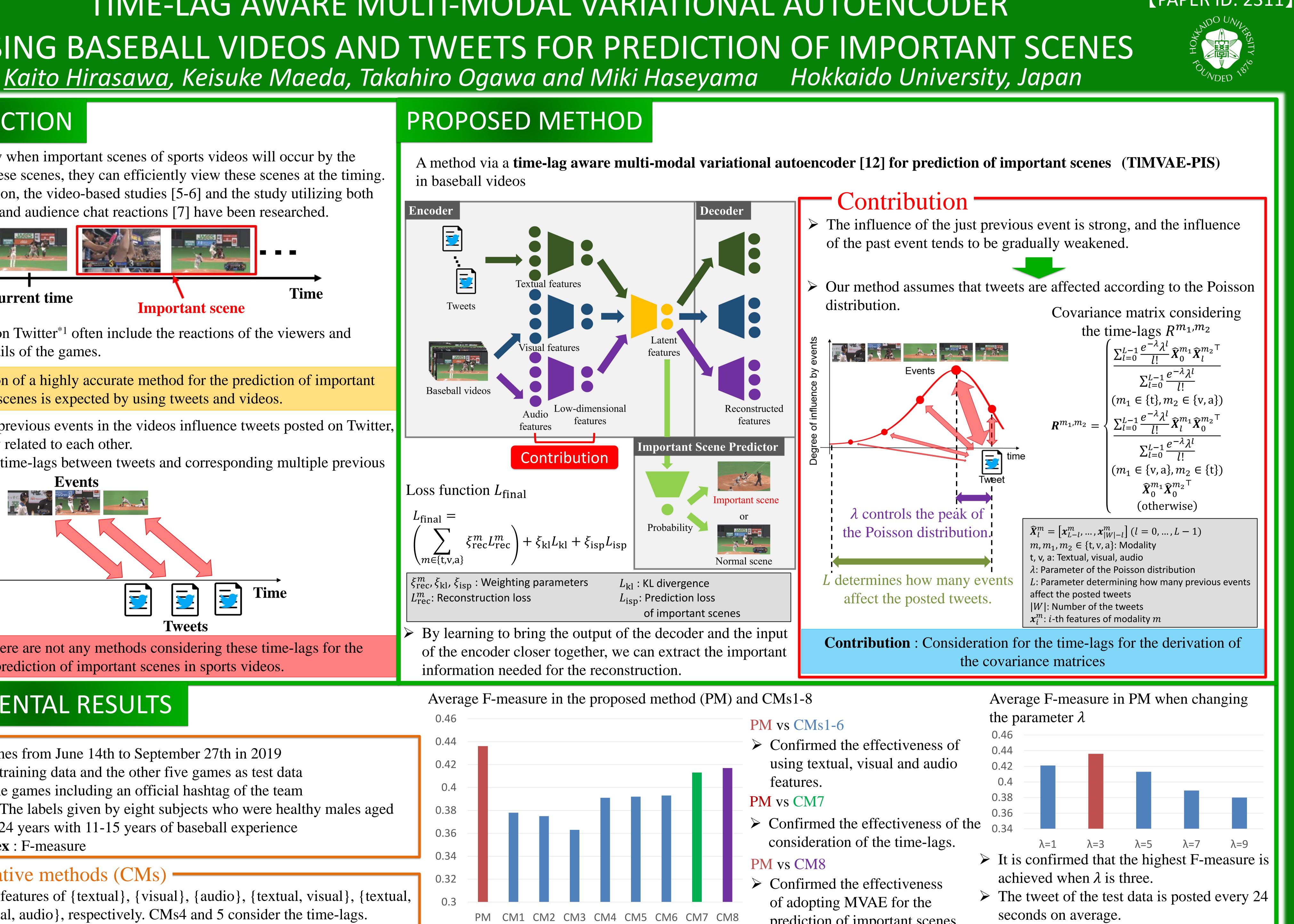
## INTRODUCTION





explain the details of the games.

- they are closely related to each other.
- events.



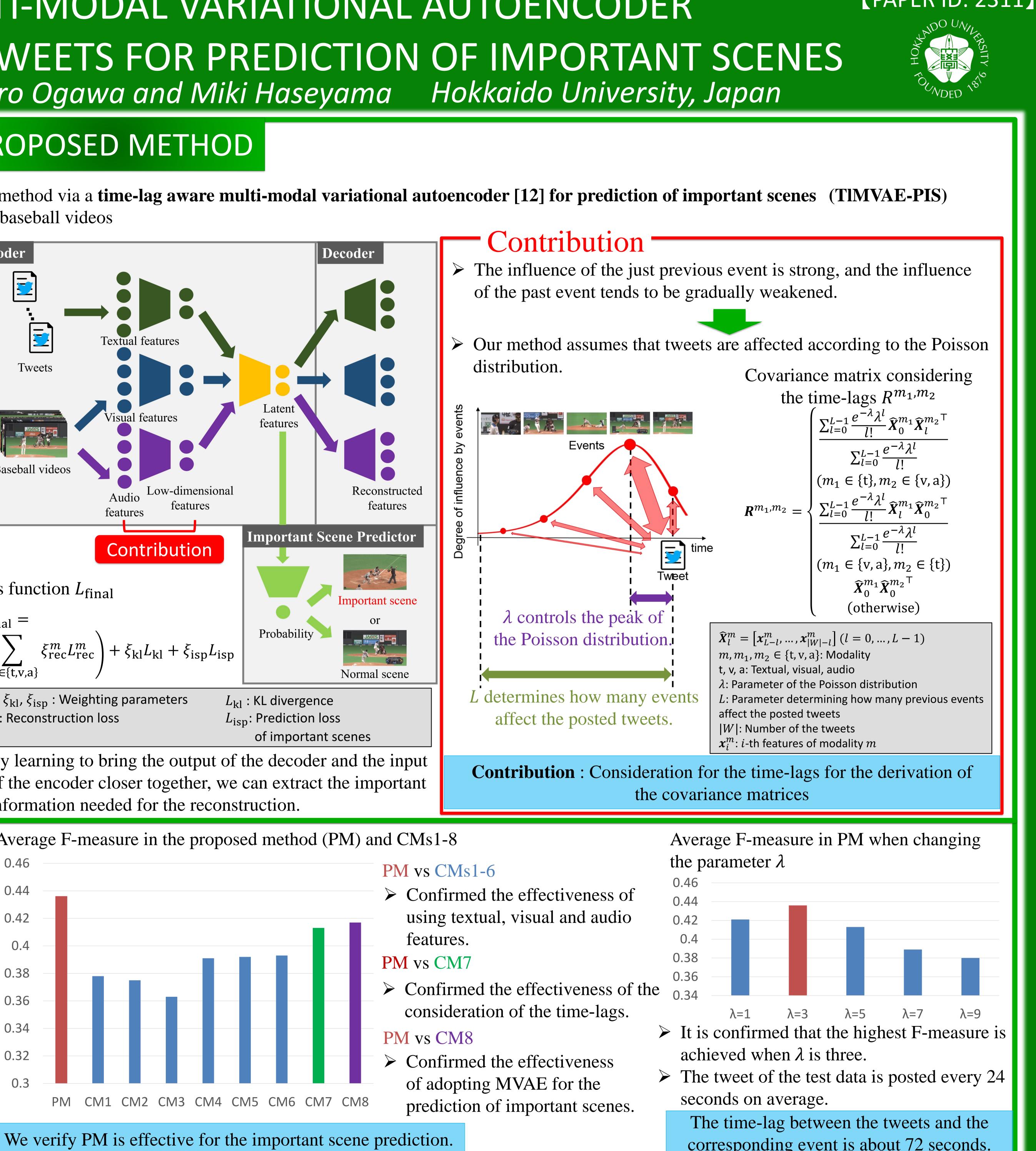
# EXPERIMENTAL RESULTS

**Evaluation index** : F-measure

### — Comparative methods (CMs)

CMs1-6 : Using features of {textual}, {visual}, {audio}, {textual, visual}, {textual, audio} and {visual, audio}, respectively. CMs4 and 5 consider the time-lags. **CM7** : MVAE [22] not considering time-lags **CM8** : Long Short-Term Memory [25]

### Acknowledgement : This work was partly supported by JSPS KAKENHI Grand Number JP17H01744.



corresponding event is about 72 seconds.