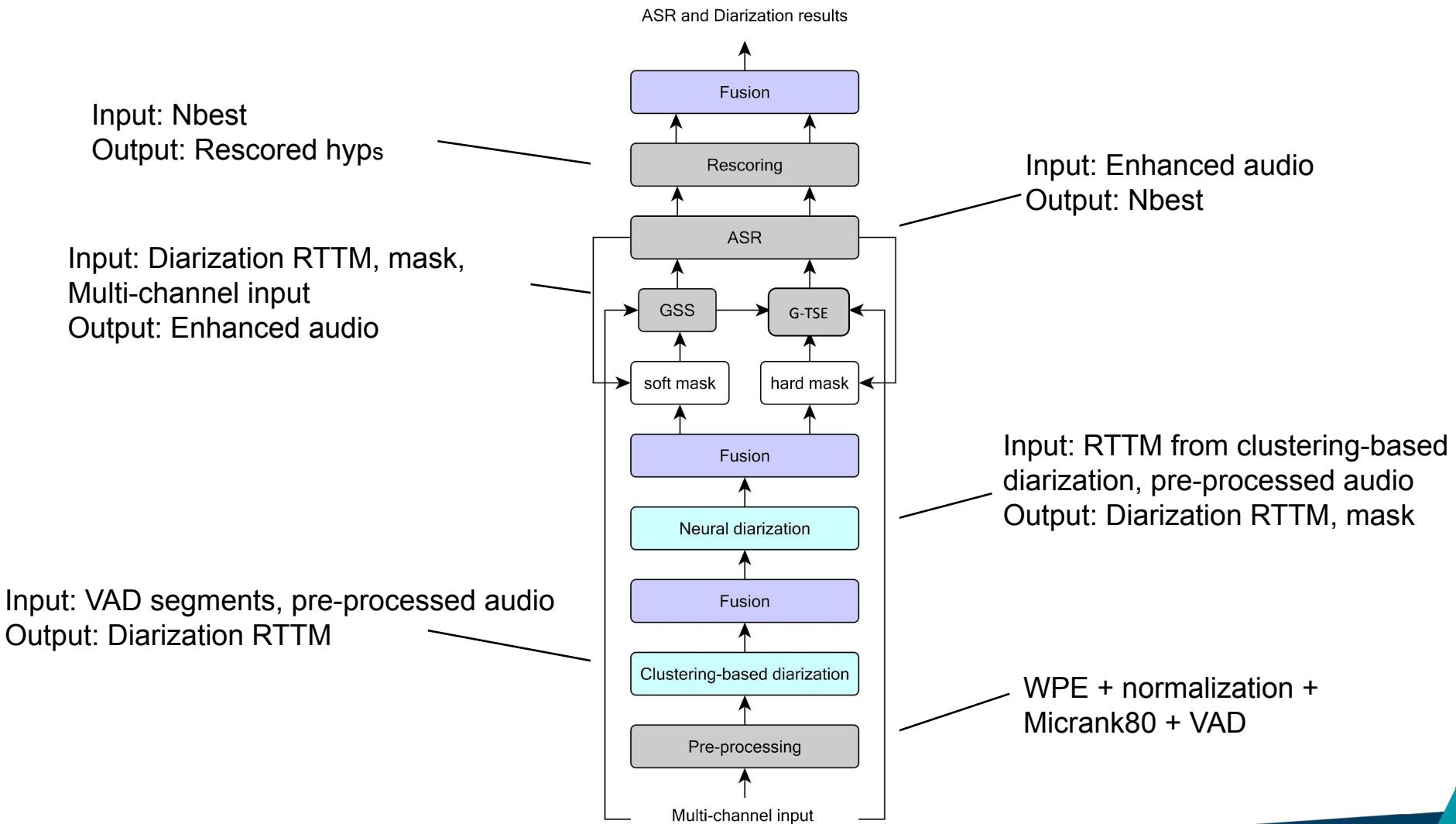


STCON System for the CHiME-8 Challenge

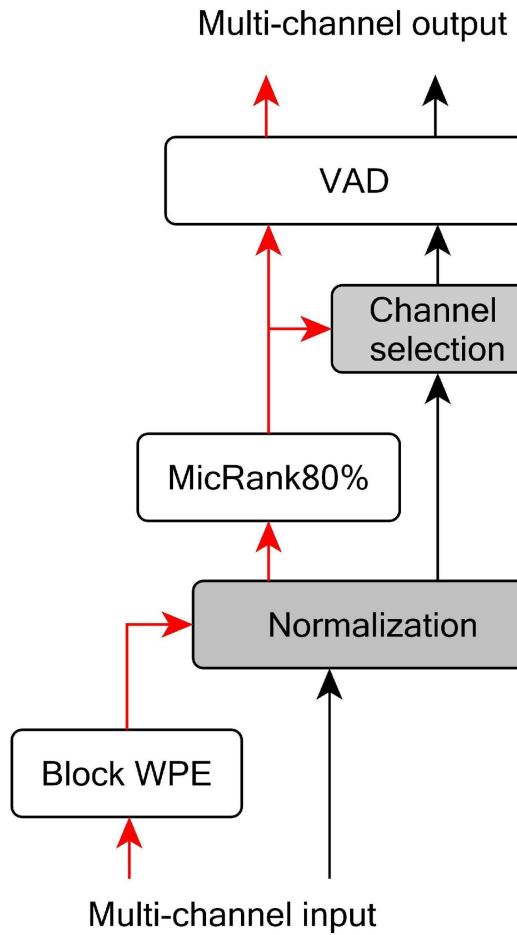
Anton Mitrofanov, Tatiana Prisyach, Tatiana Timofeeva, Sergei Novoselov
Maxim Korenevsky, Yuri Khokhlov, Artem Akulov, Alexander Anikin,
Roman Khalili, Iurii Lezhenin, Aleksandr Melnikov, Dmitriy Miroshnichenko,
Nikita Mamaev, Ilya Odegov, Olga Rudnitskaya, Aleksei Romanenko

STCON LLC., Kingdom of Saudi Arabia

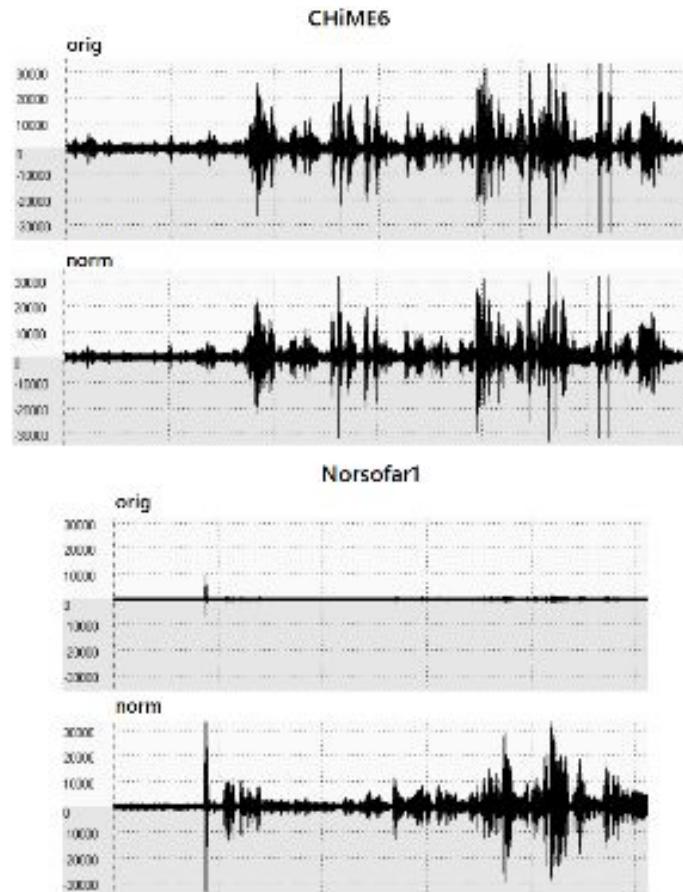
STCON system



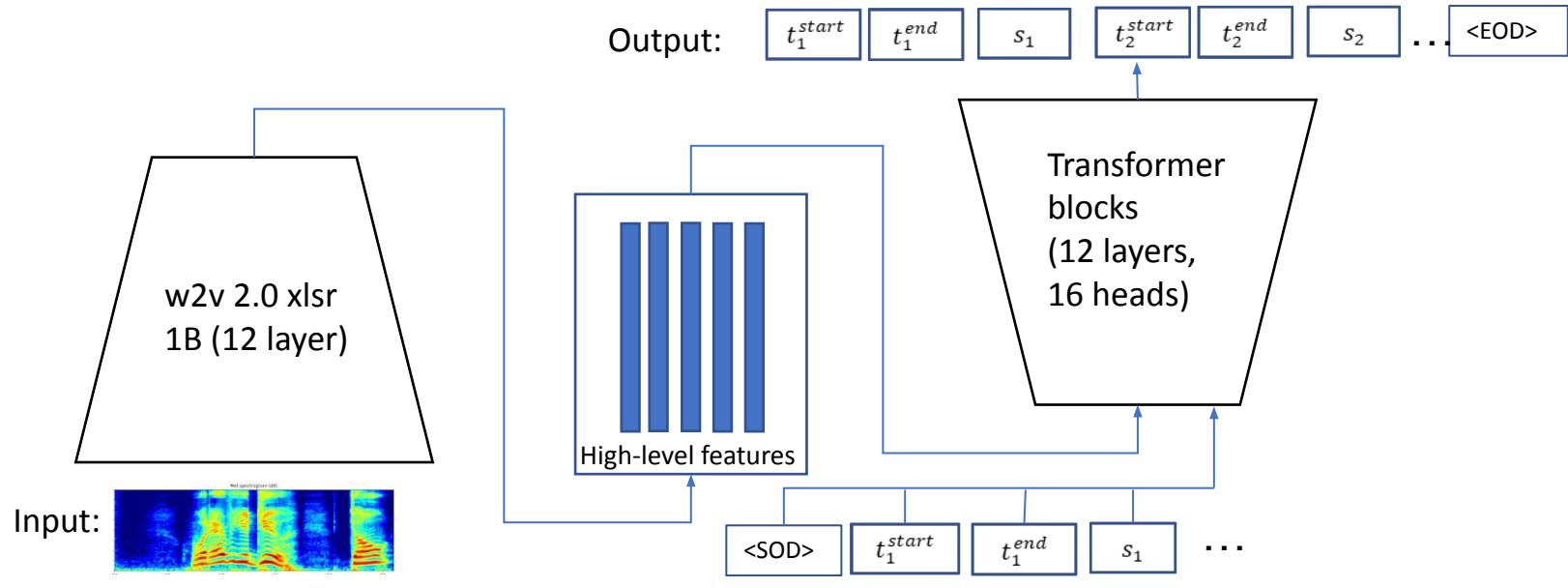
Pre-processing



Normalization:



AED-based multiple speaker extractor



overlapped speech processing

<SOD> start-of-decoding token
<EOD> end-of-decoding token

t_i^{end}

t_i^{start}

s_i

- end timestamp token for i-th speaker

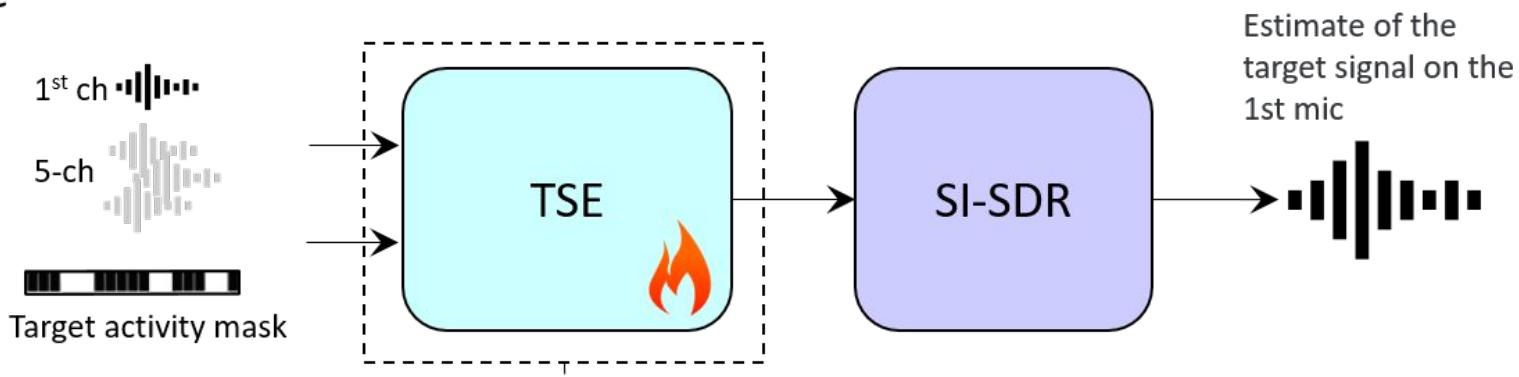
- start timestamp token for i-th speaker

- i-th speaker label token

$i = [1:3]$

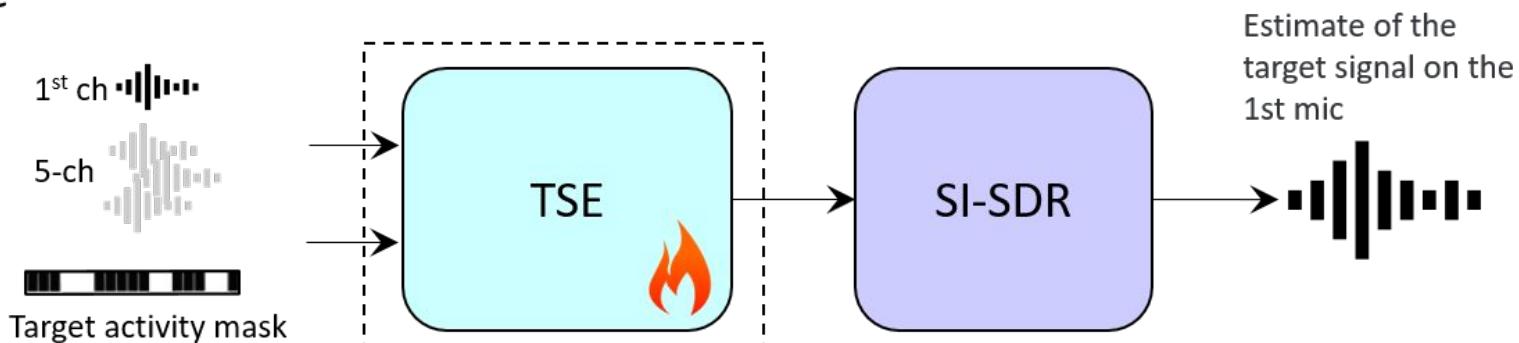
Target Speaker Extraction (TSE)

I stage

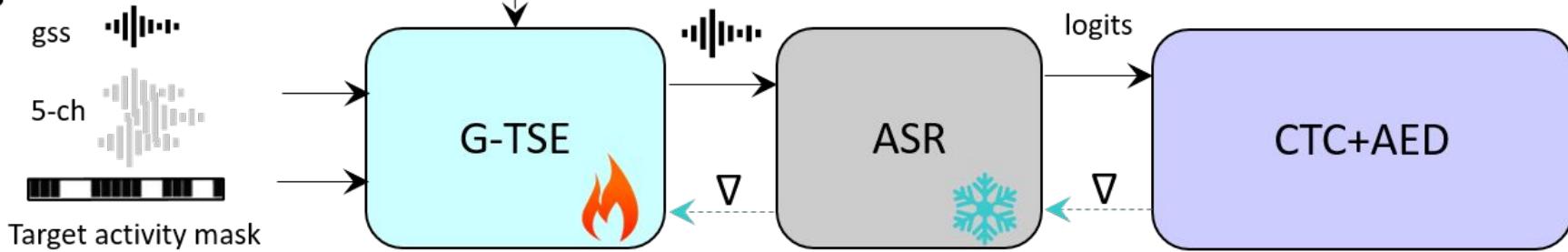


TSE+ASR joint training

I stage



II stage



Thank you for your attention!