## Sinc Net for speaker Recognition

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outline = 1. Speaken recognition 2. FAMICA APPROCHES 3. Ind-10-En apparels 4. Proposed apparam SEAUP S. Expenimentar 6. ROSULT & JIS (alhon

1. SPEAROR ROBSNITION O SPEARER TOLOGNITION SPEARER VERY fication · SI: Identify fram N speakers · SV! - Venjey it gennine Skauer or not (think) talle)

en apploally Steech - Feature -> Modelly Signal enantion CFE) decision TE MECC langely wild 2 Percetton 1 Hen) Dhy it is good for spearer 77

2. FCANICA APPROCLUSE CONTINE) o modeling: - | Statistical | Neural Method Cmm- I-UBM VCCARA our endt (LSTM, GRV) > RONN AHEATION and negwork to Rentonm CX-Reun ELTMN -CR ()

Sit nd-to-End appropries & FILLENGANK, -> C'IV Specimonan -> CM/ (H-U) TO DILLA ----O RAD SPOOCH - CONTROL (CONTROL) Double all this captures arrangement into m (for SR). (Ans: prow) DIAGGON: - Can we put some constraint on the CNN fillen. ??

U. PROPOSED APPROVEN! Objective!- capture talu specific into from data. 8 SCQ fis-1 OH RCH. Paren. 8 1st layen! - used as a souta driven F. E. JPWHIY (ON JAGINK GO) EONN FILMENS only deann hisher and won (wholf frequency 8 See En (flet puron)

- 991-1- G(HHz)-NOH(+1)-NOH(+1) -+1-11 +1 +2 => 900mm) = 242600 (21140)-241601 (2114

Continuen \$ 15 +, -> 'CN 526 finite lenson: - el. 798 Danistani-2000 (0-fs/7) - mal L'hen xfeller outcome: Interpretables FUSE CONVERGENCE FEW Panamerer CFL VS 2F.

5. Expannenser setup! TIMIT, LIBOUSBOCK (Several) GOFit O Database 1nern SPCCM 200MS, 10MS (F-C3) (2018) 80, All (50F+ MX) Q Initial - Glora M = 0.00) @optimizent- RMS PNOP 2 = 0.98, t=10, ) 28 Later

6. ROSLIH Z D'ISCUMSON L & see 45 2, 3 2 y (tiken anams) DS-I'25-V. ROSUR+2 JISGAM Sefion-S & Future Lineton 1--> can take other tilter (Inflet) -> Emphology Modeling after f.C. -> onen applicann (speen based)

Man

2) Rossenence! -Speaken Religion from par wavedon with sincold M. Ravanelli, XOShia Bensed promoun of Dr, along with prof. Hindon