

EMOTION 2010

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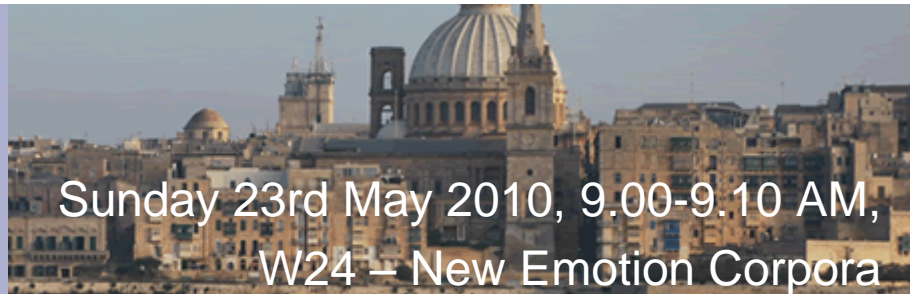
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EMOTION 2010

Corpora for Research on
Emotion and Affect



Sunday 23rd May 2010, 9.00-9.10 AM,
W24 – New Emotion Corpora

Outline

- **Participation**
- **Corpora**
- **Conclusions**

Participation

Participation

- **Numbers**

Registered Participants	24
Accepted Papers	15
Authors	41
Mean Authors / Paper	3

Participation

- **Paper by Nation (1st Author)**

France	4
Germany	2
UK	2
Italy	2
Hungary	1
Israel	1
Netherlands	1
Russia	1
Sweden	1

Proceedings

- **Word Mining**

Corpus/Corpora	367
Database(s)	140
Resource(s)	49

Emotion*	809
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Affect*	291
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Annot*	304
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Label*	130
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Transcri*	22
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Pages/Paper	5.5
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Corpora

Language

- **Distribution**

English	6	32 %
French	5	26 %
German	4	22 %
Hebrew	1	5 %
Hungarian	1	5 %
Italian	1	5 %
Russian	1	5 %
Non-speech	2	
Total	21	

Spoken Content and Emotion

- **Spoken Content Type**

Fixed	4	24 %
Free	13	76 %
?	2	

- **Emotion Type**

Acted	5	23 %
Induced	7	32 %
Natural	10	45 %
?	1	

Environment & Accessibility

- **Recording Environment**

Studio	13	87 %	
Real-life	2	13 %	(Call Centre, Operation Room)
?	3		

- **Accessibility Status**

Proprietary	8	47 %
Free	5	29 %
Licensed	4	24 %
?	1	

Emotions

- **Classes**

Minimum	5
Maximum	382 / 60 / 26
Mean	70 / 20 / 15

- **Dimensions**

Minimum	2
Maximum	20 / 6
Mean	6 / 4

- **Ratio**

Ratio Classes / Dimensions	3:2
Ratio One Scheme / Both	3:1

Annotators

- **Number of Annotators**

Minimum	1	
Maximum	400 / 17	
1	1	7 %
2	6	37 %
3-6	6	37 %
10-	3	19 %
Total	465 / 65	
Mean	29 / 4	

Subjects & Time

- **Number of Subjects**

Minimum	4
Maximum	100
Total	530
Mean	38
Ratio f/m	4:3

- **Recorded Speech Time**

Minimum	47 min	(VAM)
Maximum	22 h	
Total	69 h	
Mean	6 h	
Ratio f/m	4:3	

Instances

- **Number of Instances**

Minimum	120
Maximum	13,731 (FAU Aibo)
Total	50,972
Mean	3,641

Conclusions

Conclusions

- **The 2010 Average *Emotion Corpus* is...**

English

Verbally non-restricted

Natural in terms of emotion

Studio recorded

Labelled in 15 classes (... or 4 dimensions)

By 4 annotators

Containing 38 speakers

With more of them being female

Producing 6h of speech

Resulting in 3,641 instances

Proprietary

Has no defined partitioning

Conclusions

- **So Let Us...**

Record more data in natural surroundings

Provide partitioning

... License or free all our data

Thank You.