

SAIL: Present and Future

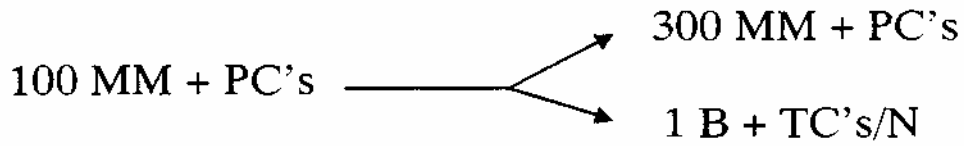
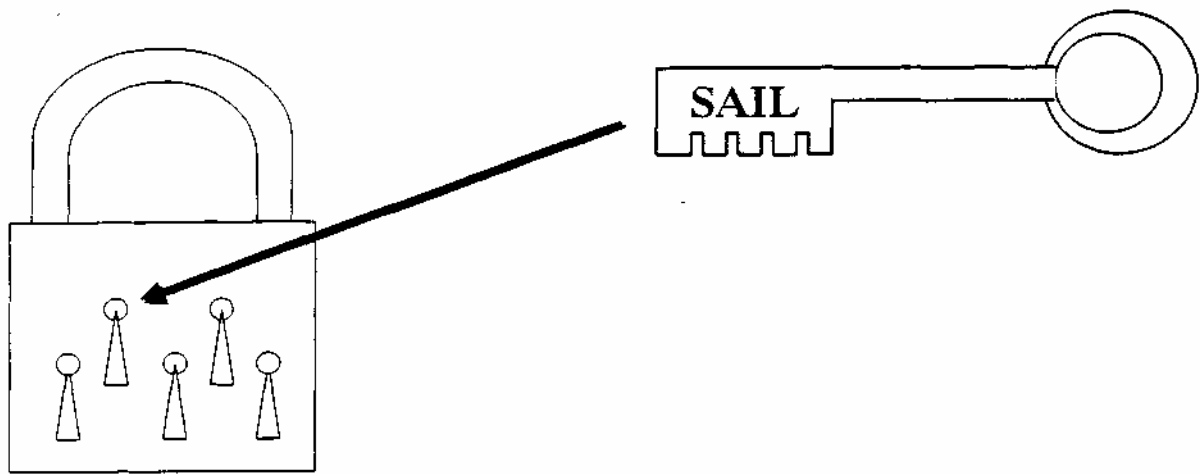
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[NB. Photographs are poorly reproduced in original printed form.]

The Present and Future of **SAIL TECHNOLOGIES** (Speech Artificial Intelligence & Language)





Powerful PC's → 1000's App's + →N

Thin Clients → 1000's App's + →N²

GREAT !

BUT!

Too MANY FUNCTIONS versus "SMALLER KEYBOARDS"

Too MUCH INFORMATION OUT THERE



SAIL = SOLUTION

① LOOK MA!

No Hands, No Manuals

② NO SPAM!

(Only relevant info; when & where I want it.)



NO MANUALS !

Natural (Spoken) Language Understanding

Reasoning Dialogue

User-Machine

NO SPAM!

Intelligent filters

Content finder

Automatic Indexing on content and automatic summaries

Statistical approach and semantic networks

BONUS! In your own language (Thanks to Machine Translations)



Speech Recognition and NLU : “Challenges of NLU”

Let us pray/ Lettuce spray

Meet her at the end of the road/Meter at the end...

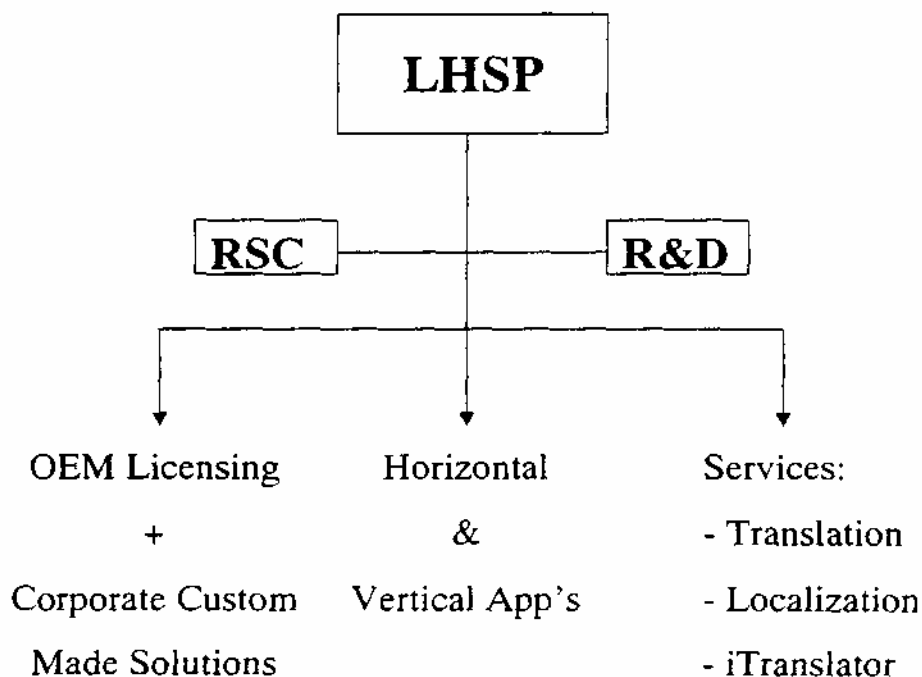
It is easy to recognize speech/to wreck a nice beach

Is the baby crying?/Is the bay bee crying?

I am going to *Chicago* tomorrow/ I am going to Chicago *tomorrow*.



Lernout & Hauspie Speech Products offers today:



L&H Snapshot

- 1800 Employees in 18 countries
- Fast Growing Revenues & Profits
- Market Leader in :
SCM / TTS / ASR (PC, Tel.,LV,Car) / MT / ICM
- Strong Alliances with Blue Chip Companies
- Strategic Partners (Microsoft, ...)
- 12% of Revenue \longrightarrow R&D



THE FUTURE?

- Multimodal UI (Speech, Vision, Gestures)
- Biometric Verification
- Conversational Speech
- Full Automatic Indexing & Retrieval of Voice Files/Video/Audio
- Super MT
- "Society of Agents" Intelligent, Self-Learning, Personal Assistants
 - They
 - * Know You
 - * Verify You
 - * Load Your Speech Profile
 - * Know what acoustical environment you are talking from
 - * Load appropriate Language & Dialogue Model
 - * Translate (Real-Time!, Your Voice!)
 - * Connect to others



“ SAIL ” TECHFARMING

