NESTOR


Administrator
Editors/managers
Distributed Speech Transcription System
Recording Stations
Transcriptionists
Nestor Sound Server
Archiving Server
www

NESTOR

Description

- ✓ Nestor is a Network based distributed transcription and documenting system, designed to make transcription faster, more efficient giving better quality.
- ✓ It provides automated workflow to multiple transcriptionists for fast documenting of large volume of speech.

Applications

Nestor is used for real-time transcription of

- ✓ Lectures,
- ✓ Conferences,
- ✓ Meetings,
- ✓ Negotiations,
- ✓ Speeches,
- ✓ Interviews.

Applications

Typical customers are:

- ✓ Parliaments,
- ✓ Congress Halls,
- ✓ Documentation Departments,
- ✓ Journalists and News Agencies,
- ✓ Academic Institutions.

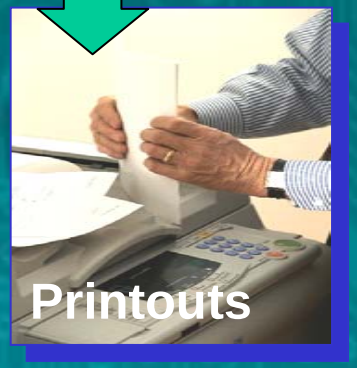

Negotiations


Lectures


Meetings


NESTOR


Digital media
&
Internet


Printouts

Operational Procedures

All incoming recordings are automatically cut into fragments of a given duration, then evenly distributed among the operators, who transcribe the speech fragments for text production.

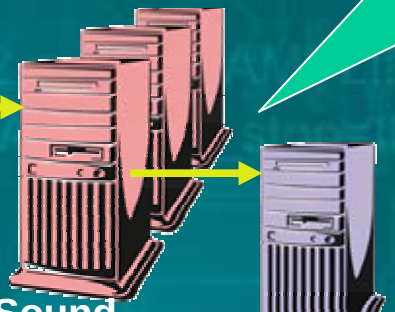
The editor's workstation then combines the separate text segments from various operators into the whole document, which can be saved or printed out

SPEECH

Nestor workflow

Conference audio equipment

Channel №1



Sound recording stations

Sound Server

The speech signal is recorded by Sound Recording Stations. Digitized sound is automatically sent to Sound Server.

Legend

Sound signal

Text

Sound + Text

Control

SPEECH

Nestor workflow

Conference audio equipment

Sound Server automatically distributes sound fragments between Operators. The distribution process is controlled by Editors.

Sound Server

Editors

Operators in groups

Legend

Sound signal

Text

Sound + Text

Control

SPEECH

Nestor workflow

Conference audio equipment

Operators listen to the speech fragments and type the corresponding text. Ready text fragments are returned to the Editor. The Editor workstation automatically connects these fragments in a whole document.

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Legend

Sound signal

Text

Sound + Text

Control

Editors

Sound

Operators in groups

SPEECH

Nestor workflow

Conference audio equipment

Channel №1

Sound rec

Sound Server

Editors

Operators in groups

Editors check transcription quality using hyperlink feature between text and sound, make correction, spell checking.

Legend

Sound signal

Text

Sound + Text

Control

Nestor workflow

SPEECH

Conference audio equipment

Channel №1

Within several minutes after completion of speech the text of the speech is ready to be printed or published in the Internet or on digital media.

Editors

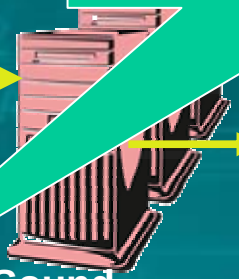
Legend

Sound signal

Text

Sound + Text

Control



Sound recording stations

Sound Server

Operators in groups

TEXT

Printout or web-publishing

Nestor workflow

SPEECH

Conference audio equipment

Nestor's workflow engine can process speech coming from more than 30 channels simultaneously in several different languages by different groups of transcriptionists.

Legend

Sound signal

Text

Sound + Text

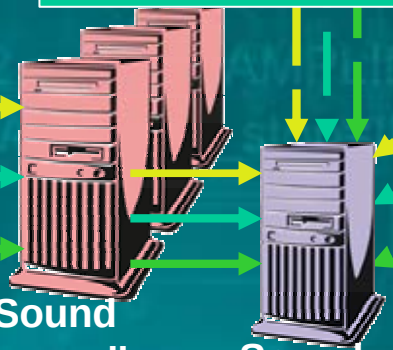
Control

Editors

Channel №1

Channel №2

Channel №3



Sound recording stations

Sound Server

TEXT

Printout or web-publishing

Operators in groups

Nestor workflow

SPEECH

Conference audio equipment

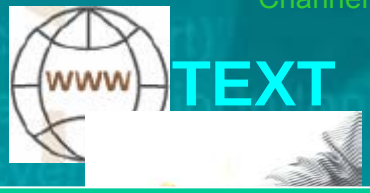
Channel №1

Channel №2

Channel №3

Sound recor… sta…

TEXT



Printout of web-publishing

Administrators

Sound Server

Backup Server

Editors

Operators in groups

Legend

Sound signal

Text

Sound + Text

Control

Administrator workplace is needed in order to manage groups in case of big number of operators.

Nestor workflow

SPEECH

Conference audio equipment

Channel №1

Channel №2

Channel №3

Sound recording stations

Sound

Administrators

Backup Server

Editors

Operators in groups

Printout of web-publishing

WWW

TEXT

After completing the work, the sound files and the corresponding texts are stored in the archive if necessary.

Legend

Sound signal

Text

Sound + Text

Control

NESTOR

The main goal of Nestor is to receive the full text of speech in several minutes after it is finished and with absolutely perfect quality.

Documentation Speed

A group of five skilled Operators can handle transcription of one speech event (meeting, lecture, etc.)

To manage three events simultaneously, three groups of Operators, i.e. 15 people are necessary.

Comfort features

Operator's software set of features to transcribe effectively:

- Variable playback speed
- Use of Hotkeys
- Tone correction
- Loop playback

Data protection

Only the Administrator and the Editors have access to the full sound recordings plus texts and are allowed to edit and modify them.

Operators work with short, separate speech fragments that can not be linked together. Thus the Operators will not know the contents of the whole event or tamper with the source audio or text.

Data transmission

The system is distributed over TCP/IP LAN

System components

- Administrator’s workstation (optional)
- Editor’s workstation(s)(s)
- Operator’s workstation(s)
- Sound recording station(s)
- Backup server (optional)
- Sound server

System Requirements

- Administrator, editor, operator workplaces– MS Windows NT/2000/XP OS, sound card, LAN
- Sound recording station, Sound Server, Backup Server – PIII or higher, MS Windows NT/2000/XP OS, LAN
- Multi-channel professional I/O sound boards STC-H200

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