

# Jürgen Nakott

„From Bones to Bytes“ – aktuelle anthropologische Forschung im Internet. Eine Kooperation zwischen Museen und populärem Wissenschaftsjournalismus



## CELEBRATING THE 150TH ANNIVERSARY OF THE NEANDERTHALS RECOVERING

In 2006 the largest collection of digitised Neanderthal finds starts a new era of virtual archaeology at work.

### TNT – The Neanderthal Tools

TNT is a combined technological development and research project providing advanced services and applications to improve access to Europe's singular cultural heritage of collections and artefacts of the Neanderthals. The TNT applications use state-of-the-art technology to provide an integrated workflow of professional scientific collaboration in Neanderthal research. The collaboration and database platform

### NESPOS

NESPOS is linked to the innovative 3D components ArteCore and GeoCore of the VISICORE Suite. The tools enable scientifically valid research on virtual primary sources for the first time. The „Neanderthal Studies Professional Online Service“ is a complete repository where paleoanthropologists and archaeologists can exchange their Neanderthal research results and share their ideas by a professional Wiki-based collaboration platform. The core data of the system will provide a variety of 3D scans of Neanderthal fossils and artefacts. NESPOS will significantly reduce the handling expenses of archaeological research and preserve the irrecoverable originals for future generations. Therefore NESPOS will support and encourage undergraduate researchers with special access and fellowship policies.

## VISICORE Suite

The TNT 3D applications are conjoint in the Visual Simulation and Collaborative Rendering Engine. The VISICORE Suite provides a unique all-embracing archaeological visualisation and annotation tool collection that covers the whole scientific workflow from the topographics of an excavation campaign to the exploration and documentation of single finds and artefacts. The two main components are: ArteCore - the Artefact Exploration and Collaboration Rendering Engine provides a toolset of real-time 2D and 3D visualisation routines for the examination of the remains' virtual high resolution-representations without touching and damaging the originals.

GeoCore - the Geofact Mapping and Rendering Engine provides a mapbased geo information system for presenting, exploring, and editing of archaeological excavation data in realtime 3D perspective.

## NATIONAL GEOGRAPHIC ARCHCHANNEL

To combine the professional scientific context with a popular service and tourism-related offerings by mobile Web accessibility the NATIONAL GEOGRAPHIC magazine will produce a layman-oriented Web site – launched in 2006 – with news and articles on the Neanderthal topic (see above right).

The screenshot shows the website interface for 'arch:channel:neandertaler'. At the top, there is a navigation bar with links for Home, Suche, Sitemap, Datenschutz, and Impressum. Below this is a banner image featuring a mammoth, a Neanderthal, and a skull. A menu bar includes categories like GESCHICHTE, AKTUELLES, MUSEEN, FORSCHUNG, SERVICE, MEDIATHEK, SPECIALS, WEBSHOP, and NG SOCIETY. The main content area displays the article title 'Ist der Neandertaler wirklich ausgestorben?' with a sub-header 'IST DER NEANDERTALER WIRKLICH AUSGESTORBEN?'. The text is attributed to Jürgen Nakott. A small image of a globe and a book is shown next to the text. On the right side, there is a sidebar with the TNT logo and a list of partner institutions: ART+COM, Neanderthal Museum, HPI Potsdam, RBINS Brüssel, PXP Wien, Universität Poitiers, and CNHM Zagreb.

The screenshot shows the website interface for 'arch:channel:neandertaler' with a different article. The banner image is the same as in the previous screenshot. The main content area displays the article title 'Menschen wie wir' with a sub-header 'IM BLICKPUNKT'. The text is attributed to Jürgen Nakott and Thomas Ernsting. A small image of a Neanderthal and a modern human is shown next to the text. On the right side, there is a sidebar with the TNT logo and a list of partner institutions: ART+COM, Neanderthal Museum, HPI Potsdam, RBINS Brüssel, PXP Wien, Universität Poitiers, and CNHM Zagreb.

Diese Materialien ergänzen und illustrieren einen Vortrag,  
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Landesmuseum für Moderne Kunst, Fotografie und Architektur

Die Tagung wurde veranstaltet durch das  
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Rheinisches Archiv- und Museumsamt  
LANDSCHAFTSVERBAND RHEINLAND

Weitere Informationen unter:  
<http://www.mai-tagung.de>

Anmeldung für den Newsletter:  
<http://www.mai-tagung.de/MAI-Ling>



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