**LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN**

Unit: Faculty for Cultural Studies (Institute of Indology and Tibetology)**Start Date:** 1 October 2012   **Applica**
tion Deadline:
31 August 2012
Salary:
TV-L E 13 payscale (between 3,187 and 4,599 euros per month depending on experience)
Term of appointment:
until 31 December 2015, with the possibility of renewal
Part-time employment is possible in principle.
The Ludwig Maximilian University of Munich (LMU) is one of the most renowned and largest universities of Germany.   Further details in English are available at:
 http://gandhari.org/tmp/programmer_and_digital_humanist.txt
The job description is also available in German at:
 http://www.uni-muenchen.de/aktuelles/stellenangebote/technik/20120720074055.html

Job Description
You will be responsible for the technical maintenance anddevelopment of the Dictionary of
 Gāndhārī
database. Gāndhārī is a
Middle Indo-Aryan language used in ancient Gandhāra (northern
Pakistan and eastern Afghanistan) and in Central Asia (Xinjiang,
China) from ca. the fourth century BCE until the fourth century
CE. As an important literary and administrative language of this
region, Gāndhārī played a central role in the spread of Buddhist
literature from India to Central Asia and China. The Dictionary
database, established in 2002 at the University of Washington,
currently contains transliterations and images of 2,635 Gāndhārī
documents (manuscripts, inscriptions and coin legends) – the large
majority of known sources for this language. At the same time,
archeological discoveries continue to enlarge the Gāndhārī textual
corpus, and only a small part of the currently known texts is
available in scholarly editions. The Dictionary of Gāndhārī is
thus being compiled on the basis of a growing body of sources, and
the Dictionary database in turn supports ongoing editorial
activities. Further information on the Dictionary of Gāndhārī is
available at
 http://gandhari.org/dictionary/
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We are looking for an experienced programmer and digital humanistwho will convert the content

of the Dictionary database from its
current custom PostgreSQL schema into a TEI-conformant XML schema
following specifications provided by the editors, and who will
develop a hosting solution and web applications for this content
on the basis of either a relational database or an eXist native
XML database. After this fundamental format conversion, the
programmer / digital humanist will continue to broaden and improve
the presentational and analytical capabilities of the database
system in accordance with the needs of its editors and users
(including mechanisms for linking transcriptions and images of
source texts, advanced search procedures taking into account
lexical and grammatical metadata, and methods for integrating
information from the database with editorial actions into
full-fledged dictionary articles and grammatical descriptions).
The programmer / digital humanist will further assist with the
typesetting of web and print publications of the project "Buddhist
Manuscripts from Gandhāra," with special attention to the
automation of editorial tasks on the basis of the Dictionary
database.

Requirements
Essential technical requirements include experience in SQL relational databases, in XML
processing with XSLT and XQuery, in
web interface design, and in web-server administration;
familiarity with the eXist XML database system and experience in
digital image processing and in digital typography using a
TeX-based system are desirable. Also essential is an interest and
active participation in the field of Digital Humanities, in order
to learn from the experiences of related projects, to effectively
use their findings and tools, and to make the Dictionary of
Gāndhārī a visible participant in this academic field;
demonstrable experience in a successful Digital Humanities project
will be an asset. Previous knowledge of Gāndhārī or other Indian
languages is not required, but the programmer / digital humanist
will be expected to acquire basic familiarity with the main
linguistic and textual features of the Dictionary's source
material in the course of his work, in order to communicate
effectively with colleagues and to make appropriate technical
decisions informed by the nature of the source material. You have
a graduate degree in Computer Science, Digital Humanities,
Computer Linguistics or a comparable field of study. We look
forward to applicants with a high degree of responsibility, good
communicative abilities and personal motivation.
Your place of work is centrally located in Munich and can be easily reached by public
transportation. We offer interesting and
responsible work with excellent opportunities for further
qualification and professional development as part of an

international research team. Disabled applicants with equal
qualification will be preferred. Women are encouraged to apply.

Application Procedure

Interested candidates should submit the following documents by 31 August 2012:

– a curriculum vitae,   – copies of university degrees and other relevant   qualifications,   – if applicable documentation of previous participation in a
   similar research project,
– the names and contact information of two referees.

Please send your application to the following address:

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