Videolectures.Net is powered from Jozef Stefan Institute in Ljubljana

The Jožef Stefan Institute is the leading Slovenian research organisation.

It is responsible for a broad spectrum of basic and applied research in the fields of natural sciences and technology. The staff of around 960 specialize in research in physics, chemistry and biochemistry, electronics and information science, nuclear technology, energy utilization and environmental science.

More at: https://www.ijs.si/ijsw
Artificial Intelligence Laboratory and Center for Knowledge Transfer have approx. 60 people working in various areas of artificial intelligence (machine learning, data mining, semantic technologies, computational linguistics, decision support), e-learning, tech transfer and science dissemination.

Selection of Portals and Products:

- Text-Garden ([http://www.textmining.net](http://www.textmining.net))
- Enrycher ([http://enrycher.ijs.si/](http://enrycher.ijs.si/))
- VideoLectures.NET ([http://videolectures.net/](http://videolectures.net/))
- Event registry ([http://eventregistry.org](http://eventregistry.org))
- Search-Point ([http://searchpoint.ijs.si/](http://searchpoint.ijs.si/))
- OntoGen ([http://ontogen.ijs.si/](http://ontogen.ijs.si/))
- Qminer ([http://qminer.ijs.si](http://qminer.ijs.si))
A repository of over 24,000 peer-reviewed lectures, collected from over 1000 events, and presented by over 14,000 authors.

VideoLectures.Net generates every day attention of over 5000 unique visitors from academia and industry.

This generates every day an average attention span equivalent to a conference with 2500 attendees.

Awarded with the United Nations World Summit Award in the Technology Category
http://videolectures.net/
How it’s made:
How it’s made:
Statistics at a glance

- Total views: 2,325,934
- Unique views: 1,911,028
- Average duration: 00:03:03
- Page view ratio: 41.24%
- Exit rate: 48.70%
Where do our viewers come from?

<table>
<thead>
<tr>
<th>Country</th>
<th>Visitors</th>
<th>Percentages</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>3.96M</td>
<td>63.7%</td>
</tr>
<tr>
<td>India</td>
<td>1.10M</td>
<td>62.10%</td>
</tr>
<tr>
<td>Slovakia</td>
<td>0.94M</td>
<td>66.66%</td>
</tr>
<tr>
<td>China</td>
<td>0.85M</td>
<td>60.66%</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>0.40M</td>
<td>57.86%</td>
</tr>
<tr>
<td>Germany</td>
<td>0.44M</td>
<td>43.28%</td>
</tr>
<tr>
<td>Canada</td>
<td>0.13M</td>
<td>41.06%</td>
</tr>
<tr>
<td>Japan</td>
<td>0.04M</td>
<td>39.04%</td>
</tr>
<tr>
<td>France</td>
<td>0.04M</td>
<td>37.85%</td>
</tr>
<tr>
<td>South Korea</td>
<td>0.01M</td>
<td>35.11%</td>
</tr>
</tbody>
</table>

Note: The table above shows the number of visitors from various countries and the percentage they contribute to the total viewership.
How do they find us?
Objectives and projects:

- Expanding Content:
  - Definition of relevant conferences: WikiCFP, based on viewers preferences
  - Building content on the existing previous publications of conferences: ISWC, NIPS, ...
- Acquisition of content from existing repositories: CERN, India (30.000 videos), Fusion Association, etc
- Synchronization with slides: Implementation of new solutions
- Live streaming: changed nCast with a simple capture device
- TransLectures: automatic transcriptions and translations of all content into 11 EU languages
- Translating the whole repository into Arabic language
- Partners in projects:
  - EDSA Jobsearch http://edsa-project.eu/resources/dashboard/
  - MOVING http://moving-project.eu/
  - X5Gon project
  - MicroHE project
Introduction to EDSA Dashboard

EDSA Dashboard is a set of tools for presenting and reusing demand and supply data in data science with a perspective to provide up-to-date and historical overview, personalized employment search and training in the area of data science.

Aims
• Explore the changes in demand for data science in Europe in time & place
• Find the typical profile of modern data scientist
• Interlink data science demand and learning materials/training supply
• Provide a demand and supply adjusted learning pathway in the area of data science
Dashboard Interface

http://jobs.videolectures.net/dashboard/query?text=data%20science
Demand and Supply Statistics

Over 4.000.000 job ads collected for 3 years

Demand (jobs ads from December 2017):

Supply:

40 Courses provided/recommended by EDSA partners

11884 Data science videolectures

6916 Trainings

2134 Online courses
Technological Development and Solutions

Source

The source of the job postings.

Format  Validate  Push to MongoDB

Prepare job postings and pushes to MongoDB.

MongoDB

Storing job records not in the QM database.

Redis

Caches the responses based on the query.

Job Server

Data Analysis

Main database and analysis service.

QMiner

Database

Courses and Videolectures analysis service.

Course & Videolectures Server

Source

The source of course and lectures.

API

Dashboard

RESTful API
TraininG towards a society of data-saVvy inforMation prOfessionals to enable open leadership INnovation

“MOVING is building an **innovative training platform** that will enable users from various societal sectors (companies, universities, public administration) to fundamentally **improve their information literacy** by training how to choose, use and evaluate data mining methods in connection with their daily research tasks and professional activities and to become data-savvy **information professionals**“

- This platform is:
  - Getting access to an extensive source inventory
  - Using search and visualisation methods
  - Generating knowledge that cannot be derived from existing solutions
  - Supporting its users through
    - A detailed and scientifically proven help system
    - An individually configurable training program
    - A community of people from different sectors of society
Use cases

1. Research on **business information** by public administrators
   - Understand complex situations
   - Increase compliance with current laws and regulations
   - Specific case of public administrators considered in MOVING: financial auditors

2. Managing and mining **research information**
   - Reduce information overload
   - Assist in evaluating and selecting relevant information resources
   - Specific case considered in MOVING: young researchers and graduate students
Architectural diagram
Videolectures.Net and policy:
OpeningUp Slovenia

• Based on:
  • EC communication titled ‘Opening up Education’ (DG EAC, Connect), Sept 2013
  • Videolectures.net success
  • Open education projects at Universities
  • E-education program supported by the Ministry
  • Many successful elearning technology developers and providers and
  • Industry lead initiative for Smart Specialisation

• Slovenia proposed to take a lead in OpeningUpEducation initiative set by EU by:
  • Providing EU state level commitment for the programme by all stakeholders
  • Offering Slovenia as a testbed to develop, test and deploy best practices
Initiators

- Knowledge 4 All Foundation Ltd.
- Institut Jožef Stefan
- University of Maribor
- University of Primorska
- University of Ljubljana
- University of Nova Gorica
- Ministry of Education, Science and Sport
- UNESCO national office
- Savsko Naselje Primary School
- Kindergarten Center Trnovo
- Technical High School Center Kranj
- IP Institute
- Slovenian Chamber of Commerce
- Slovenian Post

- Elected representative of the primary school headmasters of Slovenia
- Elected representative of the high school school headmasters of Slovenia
- Elected representative of the kindergarten headmasters of Slovenia
- Representative of public health institutions
- Representative of the public administration workers
- Student society representative
- Representative of the visually impaired people organisation
- Topolšica Hospital
- Lek d.d.
- Kolektor Group
- Gorenje d.d.
2nd World OER Congress September 2017, Ljubljana

- http://videolectures.net/oercongress2017_ljubljana/?q=oer

**Wednesday, 10:00 - 10:15**

[UNESCO OER Policy Update](http://videolectures.net/oercongress2017_ljubljana/?q=oer)
Thank you!

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