
Objekt učenja u repozitoriju - gradivni element digitalnih obrazovnih materijala

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Objekt učenja

Objekt učenja (engl. Learning object) je element znanja koji se koristi u obrazovnom procesu, a zapisan je u digitalnom obliku

Može sadržavati različite elemente, primjerice, tekst, grafiku (crteže, slike, sheme), zvučne zapise, video zapise (simulacija, film) ili interaktivnu web stranicu.

Temeljne prednosti korištenja:

- pristupačnost (objekti su postavljeni na poslužitelj i dostupni putem Interneta)
- funkcioniranje u različitim programskim okruženjima
- jednostavnost korištenja uz različite primjene

Repozitoriji objekata učenja

Obrazovne organizacije širom svijeta koriste objekte učenja u obrazovnom procesu te ih organiziraju u tzv. repozitorije, odnosno zbirke digitalnih obrazovnih materijala koje omogućavaju korištenje i pohranjivanje obrazovnog sadržaja.

U repozitorijima je svaki objekt učenja opisan skupom odabranih meta podataka kako bi bio prepoznat po svojim karakteristikama.

Najpoznatiji repozitoriji objekata učenja u svijetu su CAREO (Campus Alberta Repository of Educational Objects), CLOE (Cooperative Learning Object Exchange), D-scholarship/DSpace, Educanext, Ilumina i MERLOT (Multimedia Educational Resource for Learning and Online Teaching).

Izrada i objava objekta učenja

Za potrebe rada izrađen je objekt učenja pod nazivom „The yarn evenness“ (u prijevodu „Nejednoličnost pređe“).

Objekt učenja opisuje jedno od bitnih svojstava pređe (nejednoličnost) i to kroz određenje svojstva, matematičke izraze za definiranje svojstva te metode određivanja svojstva koja je pojašnjena pomoću animacije.

Objekt učenja je nakon izrade postavljen na stranicu sjedišta CARNetovog Referalnog centra za izradu obrazovnih materijala koji se bavi problematikom izrade e-materijala te pruža podršku nastavnom osoblju zainteresiranom za izradu i objavu vlastitih obrazovnih materijala. Adresa sjedišta Referalnog centra je <http://www.carnet.hr/referalni/obrazovni/iom>.

Odabir baze za objavu objekta

Nakon objave objekta, uslijedio je odabir repozitorija u kojem će se objekt objaviti te je iz niza postojećih odabran repozitorij baze MERLOT (adresa <http://www.merlot.org/>).

Baza MERLOT okuplja članove iz oko 10 000 sveučilišta i srednjih škola širom svijeta, a u svom repozitoriju ima više od 16 000 objekata učenja koje su suradnici baze bez naknade stavili na raspolaganje drugim korisnicima.

Objekti su, radi lakšeg pretraživanja podijeljeni u sedam područja, i to: umjetnost, poslovanje, edukacija, društvene znanosti, matematika i statistika, znanost i tehnologija te socijalne znanosti.

Registracija

Prvi uvjet za objavu objekta učenja je registracija u MERLOT bazi. U postupku registracije, osoba je dužna dati temeljne osobne podatke (ime, prezime, elektroničku poštu, naziv organizacije u kojoj je zaposlen, radno mjesto, područje djelovanja), a nakon završetka registracije na njenu elektronsku poštu stiže pismo s lozinkom i korisničkim imenom koji se koriste za ulazak u repozitorij baze i prijavu novih objekata.

The screenshot shows the 'Become a Member' page on the MERLOT website. It is at Step 1, 'Personal Information'. The page includes a search bar at the top right and a navigation menu with links for Home, Communities, Learning Materials, Member Directory, My Profile, and About Us. The registration process is divided into two steps: Step 1 (Personal Information) and Step 2 (Username & Password). The current step contains a thank-you message and a list of required fields: First name, Last name, Email, Organization, Job Title, Member Type (a dropdown menu), and Primary Discipline (a dropdown menu with 'None' selected). There are 'Cancel' and 'Next' buttons at the bottom right. The footer contains copyright information and contact details.

The screenshot shows the 'Become a Member' page on the MERLOT website, now at Step 2, 'Username & Password'. The page layout is identical to Step 1. The current step prompts the user to create their MERLOT username and password. It includes fields for Username, Password, and Confirm Password. A 'Member Agreement' section is visible, containing the 'Acceptable Use Policy (AUP)' text and an 'Accept Agreement' checkbox. The 'Accept Agreement' checkbox is currently unchecked. There are 'Cancel', 'Previous', and 'Submit' buttons at the bottom right.

Faze objave

Prije same objave objekta učenja potrebno je upisati lozinku i korisničko ime, a zatim odabrati opciju za prijavu materijala.

Sama prijava materijala teče u pet faza:

1. Prijava naziva i URL-a na kojoj se objekt nalazi
2. Opis objekta
3. Kategorija
4. Podaci o autoru
5. Dodatne informacije

1. Prijava naziva i URL-a na kojoj se objekt nalazi

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Step 1 [Step 2](#) [Step 3](#) [Step 4](#) [Step 5](#)
Title & URL Description Category Author Optional Information

Contributing a material to MERLOT is easy. Start here with the material's title and its location online.
Starred(*) fields are required

* **Title:**

* **URL:** [test]

2. Opis objekta (Uključuje detaljni opis objekta, određenje vrste materijala, publike kojoj je materijal primarno namijenjen, URL adrese)

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Step 1 Title & URL Step 2 Description Step 3 Category Step 4 Author Step 5 Optional Information

Provide as much details about the material as you can, include keywords in your description to help others find it in MERLOT.
Starred(*) fields are required

* **Description:** 
The topic of the object is the yarn evenness. The object gives the description of the property, statistics for the yarn evenness and method of the yarn evenness measurement.

* **Material Type:** Lecture/Presentation

Primary Audience: (check all that apply)
 Grade School College Lower Division
 Middle School College Upper Division
 High School Graduate School
 College General Ed Professional

Mirror Site URL: [test!](#)

Display Image URL: [test!](#)
(100 x 100 pixels)

3. Kategorija (definiranje kategorije u koju se objekt može svrstati i jezika objekta)

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Step 1 Title & URL Step 2 Description **Step 3 Category** Step 4 Author Step 5 Optional Information

Specify at least one subject category for the material, continue selecting categories until you have reached the most appropriate.
Starred(*) fields are required

* **Category:**

Categories added:

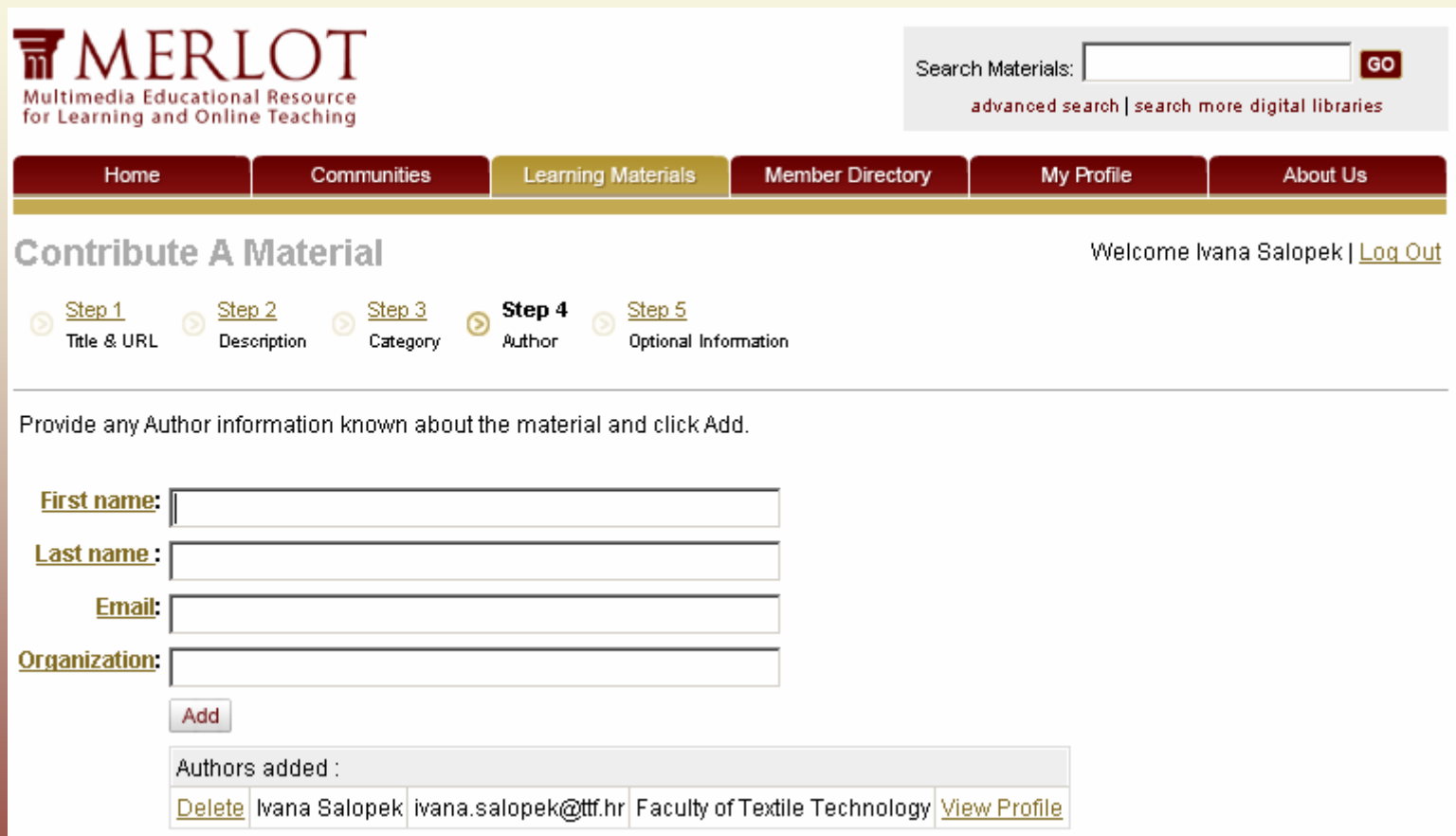
Delete	Science and Technology
------------------------	------------------------

Language:

Languages added:

Delete	English
------------------------	---------

4. Podaci o autoru (ime, prezime, elektronička pošta, organizacija)



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Step 1 Title & URL Step 2 Description Step 3 Category **Step 4 Author** Step 5 Optional Information

Provide any Author information known about the material and click Add.

First name:

Last name:

Email:


Organization:

Add

Authors added :

Delete	Ivana Salopek	ivana.salopek@ttf.hr	Faculty of Textile Technology	View Profile
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5. Dodatne informacije (format objekta, tehnički zahtjevi, alat kojim je objekt izrađen, broj verzije materijala, traži li se naknada za korištenje objekta, autorska prava)

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Step 1 Title & URL Step 2 Description Step 3 Category Step 4 Author **Step 5 Optional Information**

Include any other optional information you know about the material.

Technical Format:

Technical Requirements:

Learning Management System:

WebCT Angel Learning
 Blackboard ???icon.other???:
 Desire2Learn

Material Version:


Cost Involved: yes no unsure

Source Code Available: yes no unsure

Section 508 compliant: yes no unsure

Copyright: yes no unsure

Prijavljeni se objekt postavlja u repozitorij, u kategoriju koja je odabrana tijekom postupka prijave objekta. Time objekt postaje dostupan svim posjetiteljima sjedišta baze.

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Material Detail Welcome Ivana Salopek | [Log Out](#)

The yarn eveness [Send To A Friend](#)

 **No Image Available**

Material Type: Lecture/Presentation
Technical Format: Shockwave
Cost involved: no
Location: [go to material](#)
Date Added: listopad 06, 2006
Date Modified: listopad 06, 2006

Author: [Ivana Salopek](#) 
Faculty of Textile Technology

Submitter: [Ivana Salopek](#)

Description:
The topic of the object is the yarn evenness. The object gives the description of the property, statistics for the yarn evenness and method of the yarn evenness measurement.

Browse in Categories:
- [Science and Technology](#)

More information about this material:
Primary Audience: College General Ed
Language: English
Copyright: unsure
Source Code Available: no
Section 508 compliant: unsure

About this material:

Peer Reviews (not reviewed)
Comments (none)
Assignments (none)
Personal Collections (none)

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