This Agreement is between the author (Author) and ProQuest LLC, through its UMI® Dissertation Publishing business (ProQuest/UMI). Under this Agreement, Author grants ProQuest/UMI certain rights to preserve, archive and publish the dissertation or thesis, abstract, and index terms (the Work) provided by Author to ProQuest/UMI.

Section I. License for Inclusion of the Work in UMI® Publishing Program.

Grant of Rights. Author hereby grants to ProQuest/UMI the non-exclusive, worldwide right to reproduce, distribute, display and transmit the Work (in whole or in part) in such tangible and electronic formats as may be in existence now or developed in the future. Author further grants to ProQuest/UMI the right to include the abstract, bibliography and other metadata in the ProQuest Dissertations & Theses database (PQDT) and in ProQuest/UMI’s Dissertation Abstracts International and any successor or related index and/or finding products or services.

UMI® Publishing Program - Election and Elements. The rights granted above shall be exercised according to the publishing option selected by Author in Section III, Author Options, and subject to the following additional Publishing Program requirements:

- Redistribution of the Work. Except as restricted by Author in the publishing option selected, the rights granted by Author automatically include (1) the right to allow sale and distribution of the Work, in whole or in part, by agents and distributors, including but not limited to commercial retail outlets and (2) the right to make the Abstract, bibliographic data and any meta data associated with the Work available to search engines and harvesters.

- Restrictions. ProQuest/UMI will use commercially reasonable efforts to restrict the distribution of the Work as provided under the publishing option selected by Author or as later elected by Author through direct contact with ProQuest/UMI. Such election is subject to Author’s Degree Granting Institution Directives (see below). With respect to restrictions requested after submission of the Work, Author acknowledges that ProQuest/UMI cannot recall or amend previously distributed versions of the Work.

- Removal of Work from the Program. ProQuest/UMI may elect not to distribute the Work if it believes that all necessary rights of third parties have not been secured. Refer to the website http://www.proquest.com/products_umi/dissertations/ for information about copyright and your dissertation or thesis. If Author’s degree is rescinded, and the degree-granting institution so directs, ProQuest/UMI will expunge the Work from its publishing program in accordance with its then current publishing policies.

- Degree Granting Institution Directives. Author is solely responsible for any conflict between policies and directions of Author’s degree-granting Institution, Author’s choice of publishing model, and/or any restriction Author places on the use of the Work. For the avoidance of doubt, ProQuest/UMI is not responsible for access to the Work that is provided by Author’s degree-granting institution through its library or institutional repository. Author must work directly with Author’s degree-granting institution to ensure application of any restrictions to access relating to the Work by Author’s degree granting institution.

Copyright and Deposit with the Library of Congress. At Author’s option and upon payment of the applicable fee, ProQuest/UMI will submit an application for registration of Author’s copyright in the Work in Author’s name. In addition, regardless of whether copyright registration of the Work is sought, ProQuest/UMI may make a copy of the Work available to the Library of Congress in digital, microform or other format as required by the Library of Congress.

Publishing Fees and Royalties. Author shall remit the publishing fees and the optional copyright registration fees as appropriate for the publishing option chosen by Author, and as specified by Author’s degree-granting institution. Except as provided under the Traditional Publishing option, no royalties shall be due from ProQuest/UMI to Author.

Delivery of the Work. Author shall provide to ProQuest/UMI the Work and all necessary supporting documents during the online submission process, according to the Instructions accompanying this agreement.

Rights Verification. Author represents and warrants that Author is the copyright holder of the Work and has obtained all necessary rights to permit ProQuest/UMI to reproduce and distribute third party materials contained in any part of the Work, including all necessary licenses for any non-public, third party software necessary to access, display, and run or print the Work. Author is solely responsible and will indemnify ProQuest/UMI for any third party claims related to the Work as submitted for publication.

Section II-A. Rights pursuant to Traditional Publishing.

Author’s election of Traditional as the Type of Publishing confirms Author’s choice to have ProQuest/UMI publish the Work according to the Traditional Publishing option described below.

Traditional Publishing. ProQuest/UMI may exercise the rights granted under Section I above including through the sale of individual copies of the Work in tangible or electronic media and/or as part of electronic database and reference products or services.

Publishing Fees and Royalties. Author’s payment of the dissertation or thesis publishing fee is a one-time, up-front fee. Author’s institution may assess additional fees to be collected along with the publishing fee. ProQuest/UMI will pay royalties of 10% of its net revenue from sales of the Work, conditioned on Author maintaining a current address on record with ProQuest/UMI. Royalties will be paid when accrued earned royalties reach $25.00. If, after 25 years, earned royalties do not accrue to at least $25.00, ProQuest/UMI’s royalty payment obligation will cease.

Section II-B. Rights pursuant to Open Access Publishing PLUS.
Section III. Publishing Options & Signature

Select the publishing options below that best fit your interests and scholarly publishing obligations.

Traditional Publishing

☐ I want to make my work widely available and I want to be eligible to receive royalties on the sale of my work.
  • I understand that I must maintain a current mailing address with ProQuest/UMI in order to be eligible to receive royalties.
  • I understand that the ProQuest/UMI fee for Traditional Publishing is $25 for Master's theses and $25 for Doctoral dissertations.
  • I understand that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest/UMI.

Open Access Publishing PLUS

☒ I want the broadest possible dissemination of my work, and I want to provide free global access to the electronic copy of my work via the internet.
  • I understand that I will not be eligible to receive royalties.
  • I understand that the ProQuest/UMI fee for Open Access Publishing PLUS of Master's thesis is $120 and for Dissertations is $120, and that my graduate institution may pay all or a portion of the total fee as well as may require additional fees in association with my submission to ProQuest/UMI.

SELECT PUBLISHING OPTIONS

I want my work to be available as soon as it is published

☒ Yes
☐ No

☒ No — I would like access to the full text of my work to be delayed for the following period of time:
  ☐ 6 month embargo
  ☐ 1 year embargo
  ☐ 2 year embargo

Note: Most institutions have delayed release (embargo) policies. Please consult with your Graduate School/Program, if you need to delay the release of your work. Access to the full-text of your work will be delayed for the time period specified above, beginning from the date that we receive your manuscript at ProQuest/UMI. During this time, only your citation and abstract will appear in the ProQuest Dissertations & Theses Database (PQDT).

I want major search engines (e.g. Google, etc...) to discover my work. Learn more: http://www.proquest.com/um
US/products/dissertations/google.shtml

☒ Yes
☐ No

I want my graduate work to be sold by third party retailers in addition to ProQuest/UMI. (Note: If Traditional Publishing is chosen above, all sales are eligible to accrue royalties.)

☐ Yes
☒ No

Acknowledgment: I have read, understand, and agree to this UMI® Publishing Agreement, including all rights and restrictions included within the publishing option chosen by me as indicated above.

REQUIRED Author's signature ______________________________ Date Dec. 23rd, 2013

(Print Name) DAOCING HUANG

Institution conferring degree PH.D

Questions: Our Author Relations Team is available by phone at (800) 521-0600 ext. 7020 or by email at disspub@proquest.com

Need help selecting a subject heading? Contact our editors at (800) 521-0600 ext. 4883 (Social Sciences/Humanities) or ext. 2209 (Sciences/Engineering)
Dissertation/Master’s Thesis Submission Form

Please print clearly in block letters

Personal Information

Last Name: HUANG
First Name: DAOCHING
Middle Name or Initial
Country (list) of Citizenship: CHINA

Degree & Dissertation Information

Title of Dissertation/Thesis: INVESTIGATION OF TOPOLOGY AND INTEGRATION FOR MULTI-ELEMENT RESONANT CONVERTERS
Institution conferring degree: PH.D
Electrical Engineering
Department or Program: ECE
Advisor/Committee Chair: LEE, FRED
Committee Member: BOROJEVIC, DUSHAN
Committee Member: DE LA RECOLLEZ, JAIME
Committee Member: MATTAVELLI, PAULO
Committee Member: VIEHLAND, DWIGHT
Degree awarded (abbreviate; e.g., Ph.D.): PH.D
Year degree awarded
Year manuscript completed
Language of manuscript: ENGLISH
Primary Subject Category: Enter the 4-digit code and category name from Guide 2 that most closely describes the disciplinary area of your research.
Code: 0544
Category: ELECTRICAL ENGINEERING

You may suggest two additional subject categories that may aid in the discovery of your work in our digital database.
Code: 
Category:
Code: 
Category:

Provide up to 6 keywords or short phrases for citation indices, library cataloging, and database searching.
LLC RESONANT CONVERTER
TOPOLOGY
INTEGRATION

Current Contact Information

Current Email Address: CDY8794@GMAIL.COM
Street Address (line 1): 1836 ANCHOR WAY
City: SAN JOSE
State/Province: CA
Daytime Phone: 408-888-9123
Country: USA
Postal Code: 95132

Permanent Contact Information

Permanent Email Address: CDY8794@GMAIL.COM
Street Address (line 1): TIANXIN, RHUNESKY 14-401
City: SHILENA DISTRICT
Country: CHINA
Postal/ZIP code: 412001

THIS PAGE MUST ACCOMPANY YOUR MANUSCRIPT AND THE REST OF YOUR SUBMISSION MATERIALS
Attach additional, separate copies of your Title Page and Abstract to this form
# Behavioral, Natural, and Physical Sciences

## Agriculture
- Agriculture: 0473
- Agriculture economics: 0503
- Agronomy: 0285
- Animal diseases: 0476
- Animal sciences: 0475
- Fisheries and aquatic sciences: 0792
- Forestry: 0478
- Horticulture: 0471
- Plant pathology: 0480
- Plant sciences: 0479
- Range management: 0777
- Soil sciences: 0481
- Urban forestry: 0281
- Wildlife management: 0286

## Architecture
- Architecture: 0729
- Architectural engineering: 0462
- Landscape architecture: 0380

## Behavioral Sciences
- Animal behavior: 0602
- Behavioral sciences: 0384
- Clinical psychology: 0622
- Cognitive psychology: 0623
- Counseling psychology: 0603
- Developmental psychology: 0620
- Experimental psychology: 0623
- Occupational psychology: 0624
- Personality psychology: 0625
- Physiological psychology: 0989
- Psychobiology: 0349
- Psychology: 0621
- Quantitative psychology and psychometrics: 0632
- Social psychology: 0451

## Biological Sciences
- Biochemistry: 0487
- Bioinformatics: 0715
- Biology: 0356
- Biomechanics: 0648
- Biophysics: 0886
- Biostatistics: 0308
- Cellular biology: 0379
- Developmental biology: 0758
- Endocrinology: 0409
- Entomology: 0353
- Evolution & development: 0412
- Genetics: 0369
- Histology: 0414
- Immunology: 0793
- Microbiology: 0410
- Molecular biology: 0307
- Morphology: 0287
- Neuroscience: 0317
- Paravulology: 0748
- Physiology: 0719
- Plant biology: 0309
- Systematic biology: 0423
- Virology: 0720
- Zoology: 0472

## Ecosystem Sciences
- Ecology: 0329
- Microbiology: 0420
- Paleontology: 0426

## Engineering
- Aerospace engineering: 0538
- Artificial intelligence: 0800
- Automotive engineering: 0540
- Biomedical engineering: 0541
- Chemical engineering: 0542
- Civil engineering: 0543
- Computer engineering: 0464
- Computer science: 0884
- Electrical engineering: 0544
- Engineering: 0537
- Geological engineering: 0466
- Geophysical engineering: 0467
- Geotechnology: 0428
- Industrial engineering: 0546
- Mechanical engineering: 0548
- Mining engineering: 0551
- Naval engineering: 0468
- Nanotechnology: 0652
- Nuclear engineering: 0552
- Ocean engineering: 0547
- Operations research: 0796
- Packaging: 0549
- Petroleum engineering: 0765
- Plastics: 0795
- Robotics: 0771
- System science: 0790
- Materials science: 0794

## Environmental Sciences
- Conservation biology: 0408
- Environmental economics: 0438
- Environmental education: 0442
- Environmental engineering: 0775
- Environmental geology: 0407
- Environmental health: 0470
- Environmental justice: 0619
- Environmental law: 0439
- Environmental management: 0474
- Environmental philosophy: 0392
- Environmental science: 0768
- Environmental studies: 0477
- Land use planning: 0536
- Natural resource management: 0528
- Water resources management: 0595
- Wildlife conservation: 0284

## Geosciences
- Aeronomy: 0367
- Atmospheric chemistry: 0311
- Atmospheric sciences: 0672
- Biogeochemistry: 0425
- Biological oceanography: 0416
- Chemical oceanography: 0403
- Continental dynamics: 0406
- Geology: 0683
- Geochemistry: 0995
- Geographic information science and geodesy: 0870
- Geodetic: 0372
- Geomorphology: 0484
- Geophysics: 0373
- Hydrologic sciences: 0388
- Marine geology: 0359
- Meteorology: 0557
- Mineralogy: 0411
- Paleoclimatology: 0563
- Paleontology: 0418
- Petroleum geology: 0583
- Petrology: 0354
- Physical geography: 0368
- Physical oceanography: 0415
- Planetology: 0590
- Plate tectonics: 0592
- Remote sensing: 0799
- Sedimentary geology: 0594

## Health and Medical Sciences
- Aging: 0493
- Alternative medicine: 0496
- Audiology: 0300
- Dentistry: 0567
- Epidemiology: 0766
- Gerontology: 0351
- Health care management: 0769
- Health sciences: 0466
- Immunology: 0582
- Kinesiology: 0575
- Medical ethics: 0497
- Medical Imaging and radiology: 0574
- Medicine: 0564
- Mental health: 0347
- Nursing: 0569
- Nutrition: 0570
- Obstetrics and gynecology: 0389
- Occupational health: 0354
- Occupational therapy: 0458
- Oncology: 0902
- Ophthalmology: 0381
- Osteopathic medicine: 0499
- Pathology: 0571
- Pharmaceutical sciences: 0572
- Pharmacology: 0439
- Physical therapy: 0382
- Public health: 0573
- Public health occupations education: 0500
- Speech therapy: 0460
- Surgery: 0576
- Toxicology: 0383
- Veterinary medicine: 0778
<table>
<thead>
<tr>
<th><strong>HUMANITIES</strong></th>
<th><strong>LAW AND LEGAL STUDIES</strong></th>
<th><strong>INTERDISCIPLINARY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HISTORY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>African history</td>
<td>0311</td>
<td></td>
</tr>
<tr>
<td>American history</td>
<td>0337</td>
<td></td>
</tr>
<tr>
<td>Ancient history</td>
<td>0379</td>
<td></td>
</tr>
<tr>
<td>Asian history</td>
<td>0332</td>
<td></td>
</tr>
<tr>
<td>Black history</td>
<td>0328</td>
<td></td>
</tr>
<tr>
<td>Canadian history</td>
<td>0334</td>
<td></td>
</tr>
<tr>
<td>European history</td>
<td>0335</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>0578</td>
<td></td>
</tr>
<tr>
<td>History of Oceania</td>
<td>0504</td>
<td></td>
</tr>
<tr>
<td>History of science</td>
<td>0586</td>
<td></td>
</tr>
<tr>
<td>Latin American history</td>
<td>0336</td>
<td></td>
</tr>
<tr>
<td>Medieval history</td>
<td>0581</td>
<td></td>
</tr>
<tr>
<td>Middle Eastern history</td>
<td>0333</td>
<td></td>
</tr>
<tr>
<td>Military history</td>
<td>0722</td>
<td></td>
</tr>
<tr>
<td>Modern history</td>
<td>0582</td>
<td></td>
</tr>
<tr>
<td>Russian history</td>
<td>0724</td>
<td></td>
</tr>
<tr>
<td>World history</td>
<td>0506</td>
<td></td>
</tr>
<tr>
<td><strong>LANGUAGE &amp; LITERATURE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>African literature</td>
<td>0316</td>
<td></td>
</tr>
<tr>
<td>American literature</td>
<td>0379</td>
<td></td>
</tr>
<tr>
<td>Ancient languages</td>
<td>0289</td>
<td></td>
</tr>
<tr>
<td>Asian literature</td>
<td>0305</td>
<td></td>
</tr>
<tr>
<td>Caribbean literature</td>
<td>0352</td>
<td></td>
</tr>
<tr>
<td>Classical literature</td>
<td>0294</td>
<td></td>
</tr>
<tr>
<td>Comparative literature</td>
<td>0295</td>
<td></td>
</tr>
<tr>
<td>English literature</td>
<td>0593</td>
<td></td>
</tr>
<tr>
<td>French Canadian literature</td>
<td>0355</td>
<td></td>
</tr>
<tr>
<td>Germanic literature</td>
<td>0311</td>
<td></td>
</tr>
<tr>
<td>Icelandic &amp; Scandinavian literature</td>
<td>0362</td>
<td></td>
</tr>
<tr>
<td>Language</td>
<td>0679</td>
<td></td>
</tr>
<tr>
<td>Latin American literature</td>
<td>0312</td>
<td></td>
</tr>
<tr>
<td>Linguistics</td>
<td>0290</td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>0401</td>
<td></td>
</tr>
<tr>
<td>Literature of Oceania</td>
<td>0356</td>
<td></td>
</tr>
<tr>
<td>Medieval literature</td>
<td>0297</td>
<td></td>
</tr>
<tr>
<td>Middle Eastern literature</td>
<td>0315</td>
<td></td>
</tr>
<tr>
<td>Modern language</td>
<td>0291</td>
<td></td>
</tr>
<tr>
<td>Modern literature</td>
<td>0298</td>
<td></td>
</tr>
<tr>
<td>Rhetoric</td>
<td>0681</td>
<td></td>
</tr>
<tr>
<td>Romance literature</td>
<td>0313</td>
<td></td>
</tr>
<tr>
<td>Slavic literature</td>
<td>0314</td>
<td></td>
</tr>
<tr>
<td><strong>PHILOSOPHY AND RELIGION</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aesthetics</td>
<td>0650</td>
<td></td>
</tr>
<tr>
<td>Biblical studies</td>
<td>0321</td>
<td></td>
</tr>
<tr>
<td>Canon law</td>
<td>0375</td>
<td></td>
</tr>
<tr>
<td>Clerical studies</td>
<td>0319</td>
<td></td>
</tr>
<tr>
<td>Comparative religion</td>
<td>0618</td>
<td></td>
</tr>
<tr>
<td>Divinity</td>
<td>0376</td>
<td></td>
</tr>
<tr>
<td>Epistemology</td>
<td>0393</td>
<td></td>
</tr>
<tr>
<td>Ethics</td>
<td>0984</td>
<td></td>
</tr>
<tr>
<td>Logic</td>
<td>0995</td>
<td></td>
</tr>
<tr>
<td>Metaphysics</td>
<td>0396</td>
<td></td>
</tr>
<tr>
<td>Pastoral counselling</td>
<td>0397</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>0422</td>
<td></td>
</tr>
<tr>
<td>Philosophy of Religion</td>
<td>0322</td>
<td></td>
</tr>
<tr>
<td>Philosophy of science</td>
<td>0402</td>
<td></td>
</tr>
<tr>
<td>Religion</td>
<td>0318</td>
<td></td>
</tr>
<tr>
<td>Religious history</td>
<td>0320</td>
<td></td>
</tr>
<tr>
<td>Spirituality</td>
<td>0647</td>
<td></td>
</tr>
<tr>
<td>Theology</td>
<td>0469</td>
<td></td>
</tr>
</tbody>
</table>

**LAW AND LEGAL STUDIES**
- Alternative dispute resolution 0699
- Intellectual property 0913
- International law 0816
- Law 0938
- Patent law 0562

**SOCIAL SCIENCES**
- Archaeology 0324
- Area planning and development 0381
- Criminology 0627
- Cultural anthropology 0376
- Demography 0938
- Economic history 0909
- Economic theory 0511
- Economics 0901
- Economics, Commerce-Business 0505
- Economics, Labor 0510
- Folklore 0358
- Forensic anthropology 0339
- Geography 0366
- Individual & family studies 0628
- International relations 0601
- Labor relations 0929
- Military studies 0750
- Organization theory 0925
- Organizational behavior 0703
- Peace studies 0563
- Physical anthropology 0327
- Political Science 0615
- Public administration 0617
- Public policy 0630
- Recreation and tourism 0814
- Social research 0344
- Social structure 0700
- Social work 0452
- Sociolinguistics 0636
- Sociology 0626
- Transportation planning 0709
- Urban planning 0999
Guide 2: Subject Categories
The ProQuest Dissertations and Theses (PQDT) database and the ProQuest/UMI citation indices are arranged by subject categories. Please select the one category below that best describes your field of research or creative work. You may add one or two additional categories on your submission form that will also be associated with your work as secondary subjects.

Arts, Business, Education, Humanities, and Social Sciences

<table>
<thead>
<tr>
<th>AREA, ETHNIC, AND GENDER STUDIES</th>
<th>BUSINESS</th>
<th>EDUCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American studies 0296</td>
<td>Accounting 0272</td>
<td>Adult education 0516</td>
</tr>
<tr>
<td>African studies 0293</td>
<td>Arts management 0424</td>
<td>Art education 0273</td>
</tr>
<tr>
<td>American studies 0323</td>
<td>Banking 0770</td>
<td>Bilingual education 0282</td>
</tr>
<tr>
<td>Asian American studies 0343</td>
<td>Business 0310</td>
<td>Business education 0688</td>
</tr>
<tr>
<td>Asian studies 0342</td>
<td>Entrepreneurship 0429</td>
<td>Community college education 0775</td>
</tr>
<tr>
<td>Baltic studies 0361</td>
<td>Finance 0508</td>
<td>Continuing education 0651</td>
</tr>
<tr>
<td>Black studies 0325</td>
<td>Management 0454</td>
<td>Curriculum development 0727</td>
</tr>
<tr>
<td>Canadian studies 0385</td>
<td>Marketing 0338</td>
<td>Early childhood education 0538</td>
</tr>
<tr>
<td>Caribbean studies 0432</td>
<td>Sports management 0430</td>
<td>Education 0515</td>
</tr>
<tr>
<td>Classical studies 0434</td>
<td></td>
<td>Education finance 0277</td>
</tr>
<tr>
<td>East European studies 0437</td>
<td></td>
<td>Education policy 0458</td>
</tr>
<tr>
<td>Ethnic studies 0631</td>
<td></td>
<td>Educational administration 0514</td>
</tr>
<tr>
<td>European studies 0440</td>
<td></td>
<td>Educational evaluation 0443</td>
</tr>
<tr>
<td>French Canadian culture 0482</td>
<td></td>
<td>Educational leadership 0499</td>
</tr>
<tr>
<td>Gender studies 0733</td>
<td></td>
<td>Educational psychology 0525</td>
</tr>
<tr>
<td>GLBT studies 0492</td>
<td></td>
<td>Educational technology 0710</td>
</tr>
<tr>
<td>Hispanic American studies 0737</td>
<td></td>
<td>Educational tests &amp; measurements 0288</td>
</tr>
<tr>
<td>Holocaust studies 0507</td>
<td></td>
<td>Elementary education 0524</td>
</tr>
<tr>
<td>Islamic culture 0512</td>
<td></td>
<td>English as a second language 0541</td>
</tr>
<tr>
<td>Judaic studies 0751</td>
<td></td>
<td>Foreign language instruction 0444</td>
</tr>
<tr>
<td>Latin American studies 0550</td>
<td></td>
<td>Gifted education 0445</td>
</tr>
<tr>
<td>Middle Eastern studies 0555</td>
<td></td>
<td>Health education 0680</td>
</tr>
<tr>
<td>Native American studies 0740</td>
<td></td>
<td>Higher education 0745</td>
</tr>
<tr>
<td>Near Eastern studies 0559</td>
<td></td>
<td>Higher education administration 0446</td>
</tr>
<tr>
<td>North African studies 0560</td>
<td></td>
<td>History of education 0570</td>
</tr>
<tr>
<td>Pacific Rim studies 0461</td>
<td></td>
<td>Home economics education 0278</td>
</tr>
<tr>
<td>Regional studies 0904</td>
<td></td>
<td>Industrial arts education 0521</td>
</tr>
<tr>
<td>Scandinavian studies 0613</td>
<td></td>
<td>Instructional design 0447</td>
</tr>
<tr>
<td>Slavic studies 0613</td>
<td></td>
<td>Language arts 0379</td>
</tr>
<tr>
<td>South African studies 0654</td>
<td></td>
<td>Mathematics education 0290</td>
</tr>
<tr>
<td>South Asian studies 0638</td>
<td></td>
<td>Middle school education 0450</td>
</tr>
<tr>
<td>Sub Saharan Africa studies 0689</td>
<td></td>
<td>Multicultural education 0455</td>
</tr>
<tr>
<td>Women's studies 0453</td>
<td></td>
<td>Music education 0522</td>
</tr>
</tbody>
</table>

FINE AND PERFORMING ARTS

| | Art criticism 0365 | Pedagogy 0456 |
| | Art history 0377 | Performing arts education 0457 |
| | Cinematography 0435 | Philosophy of education 0998 |
| | Dance 0378 | Physical education 0523 |
| | Design 0389 | Reading instruction 0535 |
| | Film studies 0500 | Religious education 0527 |
| | Fine arts 0357 | School counseling 0519 |
| | Music 0413 | Science education 0714 |
| | Performing arts 0641 | Secondary education 0533 |
| | Theater 0465 | Social sciences education 0534 |
| | Theater history 0644 | Sociology of education 0340 |

COMMUNICATIONS AND INFORMATION SCIENCES

| | Communication 0459 | | |
| | Information science 0723 | | |
| | Journalism 0391 | | |
| | Library science 0399 | | |
| | Mass communication 0708 | | |
| | Technical communication 0643 | | |
| | Web studies 0646 | | |

ProQuest/UMi® Dissertation Publishing 2011 – 2012 Subject Category Guide