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Postdoc in Cognitive and Computational Musicology, University of Amsterdam, Netherlands

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The Faculty of Humanities, University of Amsterdam, provides education and conducts research with a strong international profile in a large number of disciplines in the field of language and culture. Located in the heart of Amsterdam, the Faculty maintains close ties with many cultural institutes in the capital city. There are almost 1,000 employees affiliated with the Faculty, which has about 8,000 students.

Institute for Logic, Language and Computation (ILLC)
The Institute for Logic, Language and Computation (ILLC) is a research institute of the University of Amsterdam, in which researchers from the Faculty of Science and the Faculty of Humanities collaborate. ILLC's central research area is the study of fundamental principles of encoding, transmission and comprehension of information. Emphasis is on natural and formal languages, but other information carriers, such as images and music, are studied as well. Research at ILLC is interdisciplinary, and aims at bringing together insights from various disciplines concerned with information and information processing, such as logic, mathematics, computer science, linguistics, cognitive science, artificial intelligence and philosophy.

The ILLC invites applications for a **Postdoc in Cognitive and Computational Musicology**

The postdoctoral researcher will take part in a collaborative research project cutting across the boundaries between music cognition and computer science. The project named COGITCH (COgnition Guided Interoperability beTween Collections of musical Heritage) was recently funded by NWO-CATCH and is a collaboration of the Utrecht University, University of Amsterdam, The Meertens Institute, Netherlands Public Broadcasting, and Sound & Vision. It aims to develop generic techniques for relating music from different Dutch music collections. In developing retrieval methods, we will take a top-down approach, working from musical knowledge and cognitive psychology towards the identification and processing of audio features. On-line annotations provided by listeners will support establishing the relationships between 'hooks' (perceptually salient musical patterns) and the music.

Tasks
A web-based environment, so-called ITCH environment (Identification, Tagging and Characterisation of Hooks) will be designed and constructed to obtain large amounts of judgments from the lay audience on what makes a fragment of music easily recognizable and/or stick in one's mind. This will allow for evaluating —in an empirical and controlled way— the explanatory power of cognitive models of melody and rhythm perception in their prediction of what structural (e.g., pitch, key, rhythm, meter) and non-structural (e.g., associative, emotional, cultural) aspects of a melody play a role in the memorization, recall and appreciation of music. Next to coordinating the development of the ITCH environment, the candidate will occasionally contribute to courses related to music cognition and the computational humanities.

Requirements

- Completed Doctoral degree in a relevant field, such as music cognition, music technology, cognitive science or computer science;
- Keen interest in the field of music cognition and/or music technology and a strong ambition to do scientific research;
- Publications in peer-reviewed journals or with established academic journals;
- Demonstrable skills in computational modeling;
- Excellent academic writing and presentation skills;
- Excellent social and organizational skills.

Further information
A detailed description of the research programme can be found on the Music Cognition Group-website; please see the 'Refer To:'-section below. For further information about the position feel free to contact prof. dr. H. Honing, honing@uva.nl

Appointment
The Postdoc position will be on a temporary basis for the period of three years. The starting date will be December 1st 2011. The gross monthly salary will be between €3195 and 4374 ['Onderzoeker 3'; salary scale 11] in case of a full-time position (38 hours/week). Depending on experience and date of completion of the PhD an appointment as 'Onderzoeker 4' (salary scale 10) may (initially) be necessary. Secondary benefits at Dutch universities are attractive and include holiday pay and an end of year bonus.

Job application
Applications including a cover letter, curriculum vitae, two letters of reference, and two key publications should be received by us **October 16th 2011** at the latest. The cover letter should contain an indication of the research plan the candidate proposes to carry out. Please send your documents to the attention of the vice-dean of the Faculty of Humanities, prof. dr. J.W. van Henten, Spuistraat 210, 1012 VT Amsterdam, the Netherlands. Please state the vacancy number and 'strictly confidential' in the upper left corner of the envelope.

You may also submit your application by e-mail: solliciteren2011-fgw@uva.nl. Please state the vacancy number (W11-175) in the subject field.

1. Fully Funded Scholarships, King Fahd University of Petroleum and Minerals, Saudi Arabia
2. Master Scholarships, Faculty of Medicine, Imperial College London, UK
3. Fully Funded YSEALI Academic Fellowship, USA
4. Fully Funded Australia Awards Scholarships
5. Fully Funded GCE A Level Scholarships for Indonesian Students, Singapore
6. Fully Funded Master Scholarships, Kyoto University, Japan
7. Fully Funded Scholarships, Mohamed bin Zayed University of Artificial Intelligence, UAE
8. Fully Funded Scholarships in Astronomy, University of Cambridge, UK
9. Full Tuition Fee LLM Scholarships, University of Warwick, UK
10. Fully Funded Scholarships – Qatar University
11. Fully Funded Scholarships, Bond University, Australia
12. Fully Funded Art Major Asian plus Scholarships, Korea National University of Arts, South Korea
13. Full Funded VLIR-ICP Master Scholarships, KU Leuven, Belgium
14. Fully Funded Fulbright Distinguished Awards in Teaching Program, USA
15. Fully Funded Scholarships, Pukyong National University, South Korea
16. Fully Funded Scholarships, Yeungnam University, South Korea
17. Fully Funded Scholarships, Sungkyunkwan University, South Korea
18. Fully Funded Scholarships, Sunchon National University, South Korea
19. Fully Funded Scholarships, Seoul National University of Science and Technology, South Korea
20. Fully Funded Scholarships, Pusan National University, South Korea
21. Fully Funded Scholarships, Kyungpook National University, South Korea
22. Fully Funded Scholarships, University of New England, Australia
23. Fully Funded Scholarships, Kunsan National University, South Korea
24. Fully Funded Scholarships, Kookmin University, South Korea
25. Fully Funded Scholarships, Kangwon National University, South Korea
26. Fully Funded Scholarships, Jeonbuk National University, South Korea
27. Fully Funded Scholarships, Hoseo University, South Korea
28. Fully Funded Scholarships, Gyeongsang National University, South Korea
29. Fully Funded Scholarships, Dongseo University, South Korea
30. Fully Funded Scholarships, Dongguk University, South Korea
31. Fully Funded Scholarships, Chung-Ang University, South Korea
32. Fully Funded Scholarships, Chonnam National University, South Korea
33. Fully Funded Scholarships, Ajou University, South Korea
34. Fully Funded Graduate Scholarships for International Students, South Korea
35. Fully Funded Fulbright Foreign Language Teaching Assistant, USA

36. Fully Funded Scholarships, CERGE-EI, Czech Republic
37. Full Tuition Fee Scholarships for Female Students from Developing Countries, Swansea University, UK
38. Master Scholarships, University of Twente, Netherlands
39. Fully Funded Sport Management Scholarships, Seoul National University, South Korea
40. Fully Funded ADB JSP Scholarships, Asian Institute of Technology, Thailand
41. Undergraduate Maths Scholarships for International Students, University of Edinburgh, UK
42. Fully Funded Scholarships in Singapore
43. Tuition + Living Allowance Scholarships, University of Waikato, New Zealand
44. Fully Funded Scholarships, Okinawa Institute of Science and Technology, Japan

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1. Beasiswa Penerbit Erlangga - Universitas Bengkulu
2. Beasiswa Putra-Putri Transmigran Berprestasi - Universitas Gadjah Mada
3. VLIR-ICP Master Scholarships, KU Leuven, Belgium
4. Beasiswa UGM - Universitas Gadjah Mada
5. Women and Diversity Undergraduate Scholarship - PT. Thiess Contractors Indonesia
6. Art Major Asian plus Scholarship, Korea National University of Arts
7. Nailekhanim Foundation Scholarship, Khazar University, Azerbaijan
8. Fulbright Foreign Language Teaching Assistant (FLTA), American Indonesian Exchange Foundation, USA
9. Eira Francis Davies Scholarship, Swansea University, UK
10. Beasiswa Mahasiswa - Pemerintah Kota Pekanbaru
11. Beasiswa Master 2, Prancis
12. Beasiswa Tematik, Prancis
13. Beasiswa Kartini Sains, Prancis
14. Beasiswa France Excellence S2, Prancis
15. Beasiswa France Excellence D3 / S1, Prancis
16. University of Waikato Doctoral Scholarship, New Zealand
17. Asian Development Bank - Japan Scholarship Program (ADB-JSP), Asian Institute of Technology, Thailand
18. University of Twente Scholarship (UTS), Netherlands
19. Australian Government Research Training Program (RTP) Scholarship, Bond University, Australia
20. Australia Awards Scholarships
21. Faculty of Medicine Dean Master Scholarships, Imperial College London, UK
22. International Graduate Scholarships, Korea Advanced Institute of Science and Technology (KAIST)
23. Asian Future Leaders Scholarship Program, Kyoto University, Japan
24. Beasiswa Bantuan Penelitian - Bank Indonesia Institute
25. Beasiswa Mahasiswa Berprestasi Non Akademik - Provinsi Kalimantan Barat
26. Future Leader Scholarship, LASALLE College of the Arts, Singapore
27. Beasiswa Talenta Atlet, Seni dan Sains - Universitas Muhammadiyah Yogyakarta (UMY)
28. Beasiswa Kader Unggulan Muhammadiyah (KAUM) - Universitas Muhammadiyah Yogyakarta (UMY)
29. Beasiswa Dokter dan Dokter Gigi Muhammadiyah - Universitas Muhammadiyah Yogyakarta (UMY)
30. Talent Scholarship - Qatar University
31. PhD Scholarships in Economics, CERGE-EI, Czech Republic
32. Fulbright Distinguished Awards in Teaching Program for International Teachers (Fulbright DAI), USA
33. Beasiswa Jalur Prestasi, D3 Teknologi Pengolahan Kelapa Sawit, Institut Teknologi dan Sains Bandung
34. Beasiswa SMART Mills - PT Sinar Mas Agro Resources and Technology Tbk
35. Beasiswa SMART Agro - PT Sinar Mas Agro Resources and Technology Tbk
36. Vice Chancellor's International Excellence Scholarship, University of Waikato, New Zealand
37. Boustany Astronomy Scholarship, University of Cambridge, UK
38. Boustany Cambridge Pembroke Scholarship in Philosophy, University of Cambridge, UK
39. Vice-Chancellor's International Scholarships Scheme, University of Sydney, Australia
40. Edinburgh Global Undergraduate Mathematics Scholarships, University of Edinburgh, UK
41. PhD Scholarhips, Singapore International Graduate Award (SINGA)
42. PhD Scholarships, United Arab Emirates University, UAE
43. International Postgraduate Research Award (IPRA), University of New England, Australia
44. ASEAN Scholarships for Indonesia by Ministry of Education, Singapore
45. Master and PhD Scholarships, King Fahd University of Petroleum and Minerals, Saudi Arabia
46. Fully Funded PhD Scholarships, Okinawa Institute of Science and Technology Graduate University, Japan
47. Dr Goh Keng Swee (GKS) Scholarship for Undergraduate Students, Singapore
48. Graduate Scholarships, Mohamed bin Zayed University of Artificial Intelligence, UAE
49. Master & PhD Scholarships, Honjo International Scholarship Foundation, Japan
50. ASEAN Graduate Scholarship, Nanyang Technological University, Singapore
51. Bond University Postgraduate Research Scholarship (BUPRS), Australia