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Nella compilazione del presente CV non devono essere inseriti dall'interessato i dati personali di cui al D.Lgs. 196/2003; si invita pertanto l'estensore del CV a non inserire ulteriori dati rispetto a quelli evidenziati nelle note rimuovendo gli eventuali campi vuoti.

INFORMAZIONI PERSONALI Nobuko YOSHIDA

POSIZIONE
OCCUPAZIONE
ATTIVITÀ PROFESSIONALE
TITOLO DI STUDIO
DICHIARAZIONI PERSONALI

Professor of Computing at Department of Computing, Imperial College London.

Title: Ph.D. M.Sc. B.Sc.

ESPERIENZA
PROFESSIONALE

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- 11.2016–12.2016 One month visiting professor, Paris 6, France.
 - 07.2015–09.2015 JSPS invitation fellow for research in Japan, Nagoya, Japan.
 - 07.2014–08.2014 One month visiting professor, Paris 7, France.
 - 08.2012– Professor of Computing, Department of Computing, Imperial College London.
 - 10.2006–07.2012 Reader of Computing, Department of Computing, Imperial College London.
 - 10.2009–11.2009 One month visiting professor, Paris 7, France.
 - 10.2005–10.2009 EPSRC Advanced Fellow, Department of Computing, Imperial College.
 - 12.2006–02.2007 Three month CNRS "chercheur associe" at Paris 7, France.
 - 07.2002–09.2006 Full Time Lecturer in Department of Computing, Imperial College London.
 - 11.1999–06.2002 Full Time Lecturer in Department of Mathematics and Computer Science, University of Leicester.
 - 05.1998–09.2006 Research Assistant of the School of Cognitive and Computing Sciences at Sussex University.
 - 04.1994–04.1998 Research Fellowship of the Japan Society for the Promotion of Science for Japanese Junior Scientists.

ISTRUZIONE E FORMAZIONE

- 12.2001 Postgraduate Certificate of Learning and Teaching in Higher Education, University of Leicester.
- 09.1996 Ph.D. Keio University, Department of Computer Science. (British Council Split PhD, jointly supervised with Manchester University, UK)
- 03.1994 M.Sc. Keio University, Department of Computer Science (Upper first).
- 03.1992 B.Sc. Keio University, Department of Electronic Engineering (Upper first).

COMPETENZE PERSONALI

Lingua madre Giapponese

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	A1	A1	A1	A1	A1

Livelli: A1/2 Livello base - B1/2 Livello intermedio - C1/2 Livello avanzato
 Quadro Comune Europeo di Riferimento delle Lingue

Competenze organizzative e gestionali

Gestione di progetti e fondi di ricerca (vedi sotto).

Competenze professionali

1. *Editorial Board*, ACM Transactions on Programming Languages and Systems (ACM); Mathematical Structures in Computer Science (CUP); Acta Infomatica (Springer); Journal of Logical and Algebraic Methods in Programming (Elsevier); Chief Editor of the Computer-aided Verification and Concurrency Column, European Association for Theoretical Computer Science (EATCS) Bulletin.
2. *Panel*: EPSRC Peer Review College, Jan 2006–;
3. *Industry partners and advisers*: Invited Expert for W3C Web Service Description Languages, with Professor Robin Milner and Dr Kohei Honda, Dec 2002–Dec 2009; Partners for RedHat JBoss Community SAVARA and Scribble Projects, 2010–. External Advisor for Pi4 Technologies Ltd and Cognizant, May 2005–.
4. *Current project members*: Current: A MC member of COST Action IC 1402 ARVI and IC 1401 Reversible computation; and a member of IFIP 2015 WG 1.8.
5. *Recent PC chairs and PC members*: Steering Committee for International Workshop series on Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES). Over 60 Programme committee member for the leading international conferences (e.g. POPL, ETAPS, ECOOP, ICFP, OOSPLA, CONCUR, LICS).

ULTERIORI INFORMAZIONI

- Profilo** (7405 citations, 47 h-index; Google Scholar) Last 10 years, her main research interests are theories and applications of *session types*. She introduced *multiparty session types* (MPST) (POPL'08/JACM) (cited 600 times) which received *Most Influential POPL Paper Award* in 2018 (judged by its influence over the last decade). This theory enlarged the session-type community and widened the scope of applications of session types, e.g. runtime monitoring based on Scribble (co-developed with Red Hat) has been deployed to other projects such as cyberinfrastructure in the US Ocean Observatories Initiative (OOI); and the scope of her research areas, e.g. her publications (2015–18) include (Core Rank A/A*); *programming languages* (e.g. POPL'15,'16,'17, ECOOP'16,'17, PPOPP'15); *software engineering* (e.g. ICSE'18, TACAS'16, OOPSLA'15); hardware verification (FPL'16); compilation (CC'15,'16,'17,'18); and theories (e.g. 3 CONCUR'15s, FoSSaCs'17,'18, ESOP'16,'18). Her current industry partners include: Red Hat, J.P. Morgan, Cognizant, Estafet, Weaveworks, November Group, ABB, EDF Energy, Xilinx, EPCC Ltd, Codeplay Software Ltd and Mexeler. Among her supervisees, 9 post-docs obtained permanent lectureships; 3 PhD students obtained EPSRC Doctoral Prize Fellowship; and 2 PhD student-led papers (ECOOP'06 and ECOOP'08) were cited over 160.
- Pubblicazioni** Vedi pagina personale: <http://mrg.doc.ic.ac.uk/>
e DBLP: <http://dblp.uni-trier.de/pers/hd/y/Yoshida:Nobuko>
- Presentazioni** Over 70 invited speeches for the international symposiums, workshops and seminars in Japan, France, Italy and UK, etc., including the international conferences, TLT'17 (Torino), OPT'17 (Venice), STRANGE-LOOP'16 (St. Louis), RTA-TLCA'14 (Venice) and TGC'13 (Buenos Aires); and seven invited international graduate school courses, Yokohama (Japan) 2017, Saint-Malo (France) 2016, Yokohama (Japan) 2016, Bertinoro (Italy) 2015/2006, L'Aquila (Italy) 2014 and Lovran (Croatia) 2014.
- Progetti** PI presso Imperial di tutti i progetti sotto riportati (eccetto 2):
1. EPSRC Post-doc Fellowship, 1st Oct 2018–30th Sep 2019, 118,589 GBP, RA: Romyana Neykova.
 2. EPSRC (Platform) EP/P010040/1, Application Customisation: Enhancing Design Quality and Developer Productivity,(Col), Mar 2017– Feb 2022, (1.26M GBP), Luk (PI).
 3. EPSRC (DETIPS) EP/N028201/1 *Border Patrol: Improving Smart Device Security through Type-Aware Systems Design* (Col/PI at Imperial), Feb 17–Jan 22, 1.76MGBP (565kGBP at Imperial) with Vanderbauwhede (PI, Glasgow) and Scholz (Col at Heriot-Watt).
 4. EPSRC EP/N027833/1, *Turtles: Protocol-Based Foundations for Distributed Multiagent Systems*, Nov 16 – Oct 21. 867kGBP.
 5. EPSRC EP/K011715/1, *Conversation-Based Governance for Distributed Systems by Multiparty Session Types*, June 2013 – June 2017. 1.5M GBP.
 6. EPSRC (Programme grant) *From Data Types to Session Types* (Col/PI at Imperial), May 2013 – May 2019, 3.95M GBP (2.04M GBP at Imperial) with Wadler (Edinburgh, PI) and Gay (Glasgow, Col).
 7. EPSRC (SADEA) *Exploiting Parallelism through Type Transformations for Hybrid Manycore Systems* (Col/PI at Imperial), Jan 2014–Jan 2020, 1.5MGBP (568kGBP at Imperial) with Vanderbauwhede (PI, Glasgow) and Scholz (Col at Heriot-Watt).

8. EU FET OPEN X 612985 (Upscale) (Co-PI with Drossopoulou (Imperial)) with Boor (CWI), Johnsen (Oslo), Wringstand, Clark (Uppsala), EUR 2,299,305 (total), Feb 2014–Apr 2017.
9. Dynamic Assurance based on Multiparty Session Types, VMWare industry funding, 88kGBP: Oct 2011–Dec 2015.
10. EPSRC Doctoral Prize fellowship, May 2014–April 2015, Dimitris Kouzapas, 47550 GBP.
11. EPSRC Knowledge Transfer Secondments at Conginzant, March 2013–Feb 2014, Raymond Hu, 44k GBP.
12. NSF Ocean Observatories Initiatives, subcontract, Nov 2011–Aug 2014, 516kUSD at Imperial and Queen Mary.
13. EPSRC funding (responsive mode), EP/F003757/1, *Multiparty Session Types: Theory and Conversation-Oriented Programming* (PI), with Dr Honda (Queen Mary), July 2009 – July 2012. 350,553 GBP.
14. EPSRC Knowledge Transfer Secondments at Conginzant, Jan 2012–Sep 2012, 31k GBP.
15. EPSRC EP/F003757/1, *Engineering Foundations of Web Services* (PI), with Dr Honda (Queen Mary) and Dr Gay (Glasgow). June 2008–May 2011. 320,794 GBP.
16. EPSRC GR/T03208/01, *Type-Based Security for Mobile Computing: Integrity, Secrecy and Liveness* (PI), UK, Oct 2006–Oct 2009. 249,747 GBP.
17. EPSRC PhD PLUS, Oct 2010 – Sep 2011, 83,258 GBP, RA: Raymond Hu.
18. EU 6th Framework Programme, “Information Society Technologies”, Future and Emerging Technologies, MOBIUS: Mobility, Ubiquity and Security, (Co-PI with Drossopoulou (Imperial)), Sep 2005–Sep 2009. 285k GBP.
19. EPSRC GR/T04724/01, *Program Analysis and Typed π -Calculus* with Professor Hankin, Dr Wiklicky (Imperial) and Dr Honda (QM), (PI), Jan 2005–Dec 2007. 176,053 GBP.
20. EPSRC, entitled *Towards Semantics-Preserving Secure Language Infrastructure*, (GR/S55538), (Principal Investigator), with Dr Honda (Queen Mary), November 2003–April 2007. 14,024 GBP.
21. EPSRC (first grant), entitled *Foundations for Safe Mobile Software: Processes, Types and Semantics* (GR/R33465), (Principal Investigator), UK, June 2001–December 2004. 62,096 GBP.

Riconoscimenti e premi

1. The Most Influential POPL Paper Award, Multiparty Asynchronous Session Types (POPL'08), with Kohei Honda and Marco Carbone, 2018.
2. The best technical paper of *Journal of Computer Software* (since the first edition): Japan Society for Software Science and Technology, 1994, “Reduction-based Semantics for Concurrent Calculi” with Honda.
3. Nominated for the European Association for Programming Languages and Systems (EAPLS) 2014 Best Paper Award, “Multiparty Session Types Meet Communicating Automata”
4. Nominated for the European Association for Programming Languages and Systems (EAPLS) 2010 Best Paper Award, “Parameterised Multiparty Session Types”
5. JSPS Invitation Fellowship for Research in Japan, 2015, S15051, a total value of approx 1300,000 Yen.
6. EPSRC Advanced Fellowship, GR/T03208, Oct 2004–Oct 2009, 161,860 GBP.
7. British Council Split PhD studentship, June 1995–May 1996.
8. The Japan Society Fellowship for the Promotion of Science for Japanese Junior Scientists. No. 5414/2628. April 1994–March 1997.

Pubblicazione ai fini della Normativa in materia di Trasparenza ex D.Lgs 33/2013 e Trattamento dati personali

Il presente CV è oggetto di pubblicazione obbligatoria sul sito istituzionale UNICAM nella sezione “Amministrazione trasparente” ai sensi del D.Lgs. 33/2013;

Si autorizza quindi la pubblicazione del presente CV al fine di adempiere alle disposizioni in materia di trasparenza.

Si autorizza il trattamento dei dati ai sensi del D. Lgs. 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali”.

L'estensore del CV non dovrà apporre la firma.

Tale misura è adottata a tutela e difesa dei dati personali dell'interessato ai sensi del d.lgs. 196/2003.