

Research outputs

Listing of Research outputs

Stride in bluej - Computing for all in an educational Ide

Kölling, M., Brown, N. C. C., Hamza, H. & McCall, D., 22 Feb 2019, *SIGCSE 2019 - Proceedings of the 50th ACM Technical Symposium on Computer Science Education*. Association for Computing Machinery, Inc, p. 63-69 7 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Blackbox, Five Years On: An Evaluation of a Large-scale Programming Data Collection Project

Brown, N. C. C., Altadmri, A., Sentance, S. & Kölling, M., 13 Aug 2018, *ACM International Computing Education Research Conference*. 2018 ed. ACM, 9 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Blue, BlueJ, Greenfoot: Designing Educational Programming Environments

Kölling, M., 2018, *Innovative Methods, User-Friendly Tools, Coding, and Design Approaches in People-Oriented Programming*. IGI Global, p. 42-87

Research output: Chapter in Book/Report/Conference proceeding › Chapter

Most common fixes students use to improve the correctness of their programs

de Souza, D., Kölling, M. & Barbosa, E. F., 1 Oct 2017, *2017 IEEE Frontiers in Education Conference Proceedings (FIE)*. IEEE, 9 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Frame-Based Editing

Kölling, M., Brown, N. C. C. & Altadmri, A., 21 Jun 2017, In : *Journal of Visual Languages and Sentient Systems*. 3, 28 p.

Research output: Contribution to journal › Article

Objects First with Java - A Practical Introduction using BlueJ

Barnes, D. & Kölling, M., Jan 2017, 6 ed. New York, USA: Pearson Education. 672 p.

Research output: Book/Report › Book

Informatics Education in Europe: Are We All In The Same Boat?

Vahrenhold, J., Caspersen, M., Berry, G., Gal-Ezer, J., Kölling, M., McGettrick, A., Nardelli, E., Pereira, C. & Westermeier, M., 2017, *ACM and Informatics Europe*. 251 p.

Research output: Book/Report › Book

Evaluation of a Frame-based Programming Editor

Price, T. W., Brown, N. C. C., Lipovac, D., Barnes, T. & Kölling, M., 8 Sep 2016, *ICER 2016. 2016 ACM Conference on International Computing Education Research*. Melbourne: ACM, 10 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

The Cost of Syntax and How To Avoid It: Text versus Frame-Based Editing

Alabdullah Altadmri, A. A., Kölling, M. & Brown, N. C. C., 25 Aug 2016, *CELT: COMPSAC Symposium on Computing Education & Learning Technologies: part of COMPSAC 2016: The 40th IEEE Computer Society International Conference on Computers, Software & Applications*. Atlanta: IEEE, 6 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Educational Programming on the Raspberry Pi

Kölling, M., 24 Jun 2016, In : *Electronics*. 5, 3, p. 1-17

Research output: Contribution to journal › Article

Heuristic Evaluation for Novice Programming Systems

Kölling, M. & McKay, F., 1 Jun 2016, In : *Transactions of Computing Education*. 16, 3, 32 p.

Research output: Contribution to journal › Article

Frame-Based Editing: Combining the Best of Blocks and Text Programming

Brown, N. C. C., Altadmri, A. & Kölling, M., 31 Mar 2016, *Fourth International Conference on Learning and Teaching in Computing and Engineering (LaTiCE)*. Mumbai, India: IEEE, 7 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Novis: A notional machine implementation for teaching introductory programming

Berry, M. & Kölling, M., 31 Mar 2016, *Fourth International Conference on Learning and Teaching in Computing and Engineering (LATICE 2016)*. Mumbai, India, 6 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Introduction to Programming with Greenfoot: Object-Oriented Programming in Java with Games and Simulations

Kölling, M., Mar 2016, 2 ed. New York, USA: Pearson Education. 277 p.

Research output: Book/Report › Book

Frame-Based Editing: Easing the Transition from Blocks to Text-Based Programming

Kölling, M., Brown, N. C. C. & Alabdullah Altadmri, A. A., 9 Nov 2015, *The 10th Workshop in Primary and Secondary Computing Education (WiPSCE 2015)*. ACM, 10 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Lack of Keyboard Support Cripples Block-Based Programming

Brown, N. C. C., Kölling, M. & Alabdullah Altadmri, A. A., 22 Oct 2015, *Blocks and Beyond 2015*. IEEE, 3 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Lessons from the Design of Three Educational Programming Environments: Blue, BlueJ and Greenfoot

Kölling, M., Jan 2015, In : *International Journal of People-Oriented Programming*. 4, 1, p. 5-32 28 p.

Research output: Contribution to journal › Article

Meaningful Categorisation of Novice Programmer Errors

McCall, D. A. & Kölling, M., 15 Oct 2014, *2014 Frontiers In Education Conference*. Madrid, Spain: IEEE, 9 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

The State Of Play: A Notional Machine for Learning Programming

Berry, M. & Kölling, M., 6 Jun 2014, *The 19th Annual Conference on Innovation and Technology in Computer Science Education (ITICSE 2014)*. ACM, 7 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Blackbox: A Large Scale Repository of Novice Programmers' Activity

Brown, N. C. C., Kölling, M., McCall, D. A. & Utting, I., 6 Mar 2014, *The 45th SIGCSE technical symposium on computer science education (SIGCSE 2014)*. ACM, 6 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference paper

Alice, Greenfoot, and Scratch - A Discussion

Kölling, M., 1 Jun 2010, In : *Transactions of Computing Education*. 10, 4, p. 182-196

Research output: Contribution to journal › Article

The Greenfoot Programming Environment

Kölling, M., 1 Jun 2010, In : *Transactions of Computing Education*. 10, 4, p. 182-196

Research output: Contribution to journal › Article

STREAM: A First Programming Process

Kölling, M. & Caspersen, M. E., 1 Mar 2009, In : *Transactions of Computing Education*. 9, 1, 29 p., 4.

Research output: Contribution to journal › Article

The above report is produced using the following setup

Ordered by: null