

EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

**Name** Debora de Chiusole  
**E-mail** debora.dechiusole@unipd.it  
**Nationality** Italian  
**Date of Birth** 30/11/1981

NATIONAL SCIENTIFIC  
QUALIFICATION [ABILITAZIONE  
SCIENTIFICA NAZIONALE]

2016 - 2018 - V QUARTER

Qualified as **Associate Professor** in the area 11/E1 – PSICOLOGIA GENERALE, PSICOBIOLOGIA, PSICOMETRIA, SSD **M-PSI/03**

Valid from 05/11/2018

CURRENT POSITION

February 2025 – now

**RTDB**

University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology

RESEARCH ACTIVITIES

May 2020 – May 2023

**RTDA**

University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology

April 2016 – May 2019

**Research fellow** within the project “Learning how students learn: Mathematical modelling of learning processes in intelligent tutoring system navigation”, principal investigator Prof. Egidio Robusto.

University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology  
Activities: System tuning, data collection, statistical analysis, writing articles

April 2015 – May 2016

**Research fellow** within the project “New Technologies Applied to Student Assessment: a Computerized Adaptive System for the Formative Assessment of Knowledge”, principal investigator Prof. Luca Stefanutti

University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology

	<p>Applied Psychology Activities: Developer, data collection, statistical analysis, writing articles</p> <p><b>October – December 2011</b> <b>Research fellow</b> for statistical analysis, principal investigator Prof. Egidio Robusto</p> <p>University of Padua, Department of Applied Psychology Activities: statistical analysis</p> <p><b>February – September 2011</b> <b>Research fellow</b> within the project “Mappe di associazione implicita nella valutazione della qualità percepita” [“Implicit association maps for the assessment of customer satisfaction”], principal investigator Prof. Luca Stefanutti</p> <p>University of Padua, Department of Applied Psychology Activities: Data collection and statistical analysis</p>
<p><b>TEACHING ACTIVITIES IN UNIVERSITY COURSES</b></p>	
<p><b>A.Y 2023/2024, 2024/2025</b></p>	<p><b>Professor of “Psychometrics” (12CFU)</b> Laurea triennale in Scienze Psicologiche Sociali e del Lavoro, University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p>
<p><b>A.Y. 2021/2022, 2022/2023</b></p>	<p><b>Professor of “Psychometrics” (9CFU)</b> Laurea triennale in Scienze Psicologiche Sociali e del Lavoro, University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p> <p><i>Activities:</i> Lectures, tutorship of students, exams <i>Student Evaluation in average (22/23):</i> General satisfaction = 7.7, Didactic action = 7.48, Organization = 8.19 <i>Student Evaluation in average (21/22):</i> General satisfaction = 8.1, Didactic action = 7.76, Organization = 8.55</p>
<p><b>A.Y. 2020/2021</b></p>	<p><b>Professor of “Psychometrics” (4CFU)</b> Laurea triennale in Scienze Psicologiche Sociali e del Lavoro, University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p> <p><i>Activities:</i> Lectures, tutorship of students, exams <i>Student Evaluation in average:</i> General satisfaction = 7.72, Didactic action = 7.42, Organization = 8.47</p>
<p><b>April 2014 – February 2020</b></p>	<p><b>Adjunct Professor of “Personality Tests” (6CFU)</b> Laurea magistrale in “Psicologia sociale, del lavoro e della comunicazione” [“Social, work and communication psychology”], University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p> <p><i>Activities:</i> Lectures, tutorship of students, exams</p>

<p><b>November 2015 – March 2016</b></p> <p><b>TEACHING ACTIVITIES IN UNIVERSITY MASTERS, SPECIALIZATION SCHOOLS, AND DOCTORAL SCHOOLS</b></p>	<p><i>Student Evaluation in average (19/20 only): General satisfaction = 7.79, Didactic action = 7.67, Organization = 8.21</i></p> <p><b>Tutor of Psychometrics (modul B)</b>  Online university course in Scienze e Tecniche Psicologiche ["Psychological Sciences and Techniques"], University of Padua, Department of Developmental Psychology and Socialization</p> <p><i>Activities: Support training  Student evaluation is missing</i></p>
<p><b>A.Y. 2024/2025, 2023/2024, 2022/2023</b></p> <p><b>A.Y. 2024/2025, 2023/2024, 2022/2023, 2021/2022</b></p> <p><b>From XL cycle</b></p> <p><b>From XXXIV cycle to XXXVI</b></p> <p><b>EDUCATION AND TRAINING</b></p>	<p><b>Professor of "Theory and Techniques of Tests" (3CFU)</b>  Scuola di Specializzazione in Valutazione e Consulenza Psicologica, University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p> <p><i>Activities: Lectures and exercises</i></p> <p><b>Professor of "Knowledge space theory and cognitive diagnostic models" (16 hours)</b>  University Master (Level II) in "Quantitative Psychology. Measurement, evaluation and analysis of psychosocial variables", University of Padua, Department of Philosophy, Sociology, Education and Applied Psychology</p> <p><i>Activities: Lectures and exercises</i></p> <p><b>Knowledge space theory</b>  PhD Course in Social Sciences, University of Padua</p> <p><i>Activities: Lectures and exercises</i></p> <p><b>Matlab Advanced</b>  PhD Course in Psychological Sciences, University of Padua</p> <p><i>Activities: Lectures and exercises</i></p>
<p><b>April, 9 2015</b></p>	<p><b>PhD in Psychology</b> with the thesis entitled "Sviluppo e Applicazioni di Modelli Formali per la Valutazione Adattiva della Conoscenza e dell'Apprendimento nell'ambito della Knowledge Space Theory" ["Development and Applications of Formal Models for the Adaptive Assessment of Knowledge and Learning within the Knowledge Space Theory"], supervisor Prof. Luca Stefanutti</p> <p>PhD Course in Psychological Sciences, University of Padua</p>

<b>October, 8 2010</b>	<p><b>Master degree</b> in “Psicologia dello Sviluppo e dell’Educazione con indirizzo di Psicologia Scolastica e della Prevenzione e Integrazione” [“Developmental and Educational Psychology with specialization in School Psychology and Prevention and Integration”].</p> <p>Score: 110/110 with laude  Thesis title: La Teoria degli Spazi di Conoscenza per la Valutazione Formativa delle Abilità Matematiche. Un’applicazione nella scuola primaria [“Knowledge Space Theory for the Formative Assessment of Mathematical Skills. An application in the primary school”]</p> <p>Supervisor: Prof. Luca Stefanutti  University of Padua, Psychology Faculty</p>
<b>March 2011</b>	<p>Seminar “Formal models in Cognitive Neuroscience and Experimental Psychology”</p> <p>EU Erasmus Intensive Programme  University of Amsterdam</p>
<b>May 2010</b>	<p>Seminar “Probabilistic knowledge structures: parameter estimation, empirical application” (Prof. Juergen Heller)</p> <p>PhD Course in Psychological Sciences, University of Padua</p>
<b>May 2010</b>	<p>Seminar “Model validation and stochastic knowledge assessment” (Prof. Juergen Heller)</p> <p>PhD Course in Psychological Sciences, University of Padua</p>
<b>October 2009</b>	<p>Course of “Analisi dei dati con LISREL” [“Data analysis by using LISREL”]</p> <p>Founded by European Social Fund  University of Padua, Italy</p>
<b>April 2009</b>	<p>Seminar “Bayesian Statistics and its Use for Psychological Science”</p> <p>EU Erasmus Intensive Programme  University of Tuebingen, German</p>
<b>OTHER LANGUAGES</b>	<p><b>Inglese</b>  Reading: Excellent  Writing: Excellent  Verbal: Good</p>
<b>COMPUTER SKILLS</b>	<p><b>Matlab</b> (Excellent)  <b>R</b> (Good)  <b>Office</b> (Excellent)</p> <p><b>Latex</b> (Excellent)  <b>Php</b> (Basic)  <b>Html</b> (Basic)</p>

## SOFTWARE AND WEB-APP DEVELOPMENT

Collaboration to the development of the MATLAB toolbox “kst” (<https://it.mathworks.com/matlabcentral/fileexchange/157751-kst-toolbox>)

Collaboration to the development of the R package “matRiks” (<https://cran.r-project.org/web/packages/matRiks/index.html>)

Collaboration to the development, the implementation, and the tuning of the intelligent tutoring system “PsycAssist” (<https://psycassist.fisppa.unipd.it>) for the psychological and neuropsychological assessment.

Collaboration to the development, the implementation, and the tuning of the three intelligent tutoring system “qhelp-knowlab” (<http://qhelp-knowlab.eu/>) “Stat-knowlab” (<http://stat-knowlab.unipd.it>), “Knowlab” (<http://knowlab.org>) for the assessment and learning of statistics.

## AWARDS

Finalist to the competition “Talent Italy for the open and the digital education” with the project “Stat-KnowLab: a Computerized Intelligent System for Learning. An Interactive, Personalized Course in Social Statistics” (MIUR,2014)

## RESEARCH INTERESTS

Formal modelling in psychology; quantitative methods and psychometric models; measurement theory; missing data; development of computerized adaptive tools for psychological and neuropsychological assessment; mathematical development of cognitive models connected with learning and with executive functions in general.

## PUBLICATIONS

2025

Orsoni, M., Spinoso, M., Garofalo, S., Mazzoni, N., Giovagnoli, S., **de Chiusole, D.**, Anselmi, P., Bacherini, A., Pierluigi, I., Stefanutti, L., Balboni, G., & Benassi, M. *Bayesian networks to evaluate and test the Raven's Colored Progressive Matrices* [Manuscript accepted for publication]. Preprint at 10.31234/osf.io/kp4b2

**de Chiusole, D.**, Spoto, A., Granzio, U., Stefanutti, L. *Reliability Measures in Knowledge Structure Theory* [Manuscript accepted for publication]

**de Chiusole, D.**, Stefanutti, L., & Brancaccio, A. (2025). Extracting preference relations from data: Clustering with transitive centroids. *Behavior Research Methods*, 57(6), 165.

[Q1]

Stefanutti, L., Anselmi, P., **de Chiusole, D.**, Spoto, A., & Heller, J. (2025). The BLIM, the DINA, and their polytomous extensions: Rejoinder to the commentary by Chiu, Köhn, and Ma. *Psychometrika*, 90(2), 717–733.

[Q1]

Brancaccio, A., Epifania, O. M., Anselmi, P., & **de Chiusole, D.** (2025). Automatic generation of rule-based Raven-like matrices in R: The matRiks package. *Applied Psychological Measurement*. Advance online publication.

[Q1]

2024

Anselmi, P., **de Chiusole, D.**, Robusto, E., Mazzoni, N., & Stefanutti, L. (2025). An extension of the basic local independence model to multiple observed classifications. *British Journal of Mathematical and Statistical Psychology*. Advance online publication.

[Q1]

**de Chiusole, D.**, Granziol, U., Spoto, A., & Stefanutti, L. (2024). Reliability of a probabilistic knowledge structure. *Behavior Research Methods*, 56(7), 8022–8037.

[Q1]

**de Chiusole, D.**, Spinoso, M., Anselmi, P., Bacherini, A., Balboni, G., Mazzoni, N., Brancaccio, A., Epifania, O. M., Orsoni, M., Giovagnoli, S., Garofalo, S., Benassi, M., Robusto, E., Stefanutti, L., & Pierluigi, I. (2024). PsycAssist: A web-based artificial intelligent system designed for the adaptive neuropsychological assessment and training. *Brain Sciences*, 14(2), Article 122. <https://doi.org/10.3390/brainsci14020122>

[Q2]

Brancaccio, A., **de Chiusole, D.**, & Wickelmaier, F. (2024). Software packages for Knowledge Structure Theory. In L. Stefanutti & J. Heller (Eds.), *Knowledge structures: Recent developments in theory and application* (Advanced Series on Mathematical Psychology, Vol. 7, pp. 297–322). World Scientific Publishing. [https://doi.org/10.1142/9789811280481\\_0012](https://doi.org/10.1142/9789811280481_0012)

[Capitolo di libro internazionale indicizzato]

**de Chiusole, D.**, Spoto, A., & Stefanutti, L. (2024). Innovative methods for building knowledge structures. In L. Stefanutti & J. Heller (Eds.), *Knowledge structures: Recent developments in theory and application* (Advanced Series on Mathematical Psychology, Vol. 7, pp. 87–104). World Scientific Publishing. [https://doi.org/10.1142/9789811280481\\_0004](https://doi.org/10.1142/9789811280481_0004)

[Capitolo di libro internazionale indicizzato]

Heller, J., Stefanutti, L., Anselmi, P., & **de Chiusole, D.** (2024). Parameter estimation and model validation. In L. Stefanutti & J. Heller (Eds.), *Knowledge structures: Recent developments in theory and application* (Advanced Series on Mathematical Psychology, Vol. 7, pp. 105–132). World Scientific Publishing. [https://doi.org/10.1142/9789811280481\\_0005](https://doi.org/10.1142/9789811280481_0005)

[Capitolo di libro internazionale indicizzato]

Stefanutti, L., Brancaccio, A., & **de Chiusole, D.** (2024). Procedural KST and problem spaces. In L. Stefanutti & J. Heller (Eds.), *Knowledge structures: Recent developments in theory and application* (Advanced Series on Mathematical Psychology, Vol. 7, pp. 269–296). World Scientific Publishing. [https://doi.org/10.1142/9789811280481\\_0011](https://doi.org/10.1142/9789811280481_0011)

[Capitolo di libro internazionale indicizzato]

Anselmi, P., **de Chiusole, D.**, & Heller, J. (2024). Adaptive assessment. In L. Stefanutti & J. Heller (Eds.), *Knowledge structures: Recent developments in theory and application* (Advanced Series on Mathematical Psychology, Vol. 7, pp. 159–180). World Scientific Publishing. [https://doi.org/10.1142/9789811280481\\_0007](https://doi.org/10.1142/9789811280481_0007)

[Capitolo di libro internazionale indicizzato]

- 2023 Stefanutti, L., Anselmi, P., Spoto, A. & **de Chiusole, D.**, (2023). Towards a Polytomous Competence-based Knowledge Space Theory, *Journal of Mathematical Psychology*, 115, 102781, <https://doi.org/10.3758/s13428-022-01998-y>,  
[Q1]
- Brancaccio, A., **de Chiusole, D.** & Stefanutti, L. (2023). Algorithms for the adaptive assessment of procedural knowledge and skills, submitted to the Journal, *Behavior Research Methods*, 55(7), pp. 3928 – 3951, <https://doi.org/10.3758/s13428-022-01998-y>  
[Q1]
- 2021 Stefanutti, L., **de Chiusole, D.**, & Brancaccio, A. (2021). Markov solution processes: Modeling human problem solving with procedural knowledge space theory. *Journal of Mathematical Psychology*, 103, 102552  
[Q1]
- Anselmi, P., Stefanutti, L., **de Chiusole, D.**, & Robusto, E. (2021). Modeling learning in knowledge space theory through bivariate Markov processes. *Journal of Mathematical Psychology*, 103, 102549  
[Q1]
- 2020 **de Chiusole, D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2020). Stat-Knowlab. Assessment and Learning of Statistics with Competence-based Knowledge Space Theory. *International Journal of Artificial Intelligence in Education*, 30(4), 668-700.  
[Q1]
- Stefanutti, L., **de Chiusole, D.**, Gondan, M., & Maurer, A. (2020). Modeling misconceptions in knowledge space theory. *Journal of Mathematical Psychology*, 99, 102435, doi: 10.1016/j.jmp.2020.102435.  
[Q1]
- Stefanutti, L., **de Chiusole, D.**, Anselmi, P., & Spoto, A. (2020). Extending the Basic Local Independence Model to Polytomous Data. *Psychometrika*, 85(3), 684-715, doi: 10.1007/s11336-020-09722-5  
[Q1]
- Stefanutti, L., Anselmi, P., Spoto, A., & **de Chiusole D.** (2020). On the polytomous generalization of knowledge space theory, *Journal of Mathematical Psychology*, 94, 102306, doi: 10.1016/j.jmp.2019.102306.  
[Q1]
- de Chiusole, D.**, Spoto, A., & Stefanutti, L. (2020). Extracting partially ordered clusters from ordinal polytomous data, *Behavior research methods*, 52, 503–520 doi: 10.3758/s13428-019-01248-8.  
[Q1]
- 2018 **de Chiusole, D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2018). Testing the actual equivalence of automatically generated items, *Behavior Research Methods*, 50(1), 39-56, doi: 10.3758/s13428-017-1004-5.  
[Q1]
- 2017 Stefanutti, L., & **de Chiusole, D.** (2017). On the Assessment of Learning in

Competence based Knowledge Space Theory, *Journal of Mathematical Psychology*, 80, 22-32, doi: 10.1016/j.jmp.2017.08.003.

[Q1 in Applied mathematics]

Anselmi, P., Stefanutti, L., **de Chiusole D.** & Robusto, E. (2017). The Assessment of Knowledge and Learning in Competence Spaces: The Gain-Loss Model for Dependent Skills, *British Journal of Mathematical Psychology*, 70, 457-479, doi: 10.1111/bmsp.12095.

[Q1]

**de Chiusole D.**, Stefanutti, L. & Spoto, A. (2017). A class of k-modes algorithms for extracting knowledge structures from data, *Behavior Research Methods*, 49(4), 1212-1226, doi: 10.3758/s13428-016-0780-7.

[Q1]

2016

Anselmi, P., Robusto, E. Stefanutti, L. & **de Chiusole, D.** (2016). An Upgrading Procedure for Adaptive Assessment of Knowledge, *Psychometrika*, 81(2), 461-482, doi: 10.1007/s11336-016-9498-9.

[Q1]

2015

**de Chiusole D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2015). Modeling Missing Data in Knowledge Space Theory, *Psychological Methods*, 20(4), 506-522, doi: 10.1037/met0000050.

[Q1]

**de Chiusole D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2015). Naive Tests of Basic Local Independence Model's Invariance, *Spanish Journal of Psychology*, 18, E26, doi:10.1017/sjp.2015.24.

[Q1]

2013

**de Chiusole, D.**, Anselmi, P., Stefanutti, L., & Robusto, E. (2013). The Gain-Loss Model: bias and variance of the parameter estimates, *Electronic notes in discrete mathematics*, 42, 33-40, doi: 10.1016/j.endm.2013.05.143.

[Q3]

**de Chiusole, D.**, & Stefanutti, L. (2013). Modeling Skill Dependence in Probabilistic Competence Structures. *Electronic notes in discrete mathematics*, 42, 41-48, doi: 10.1016/j.endm.2013.05.144.

[Q3]

**de Chiusole, D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2013). Assessing Parameter invariance in the BLIM: Bipartition models, *Psychometrika*, 78(4), 710-724, doi: 10.1007/s11336-013-9325-5.

[Q1]

2011

**de Chiusole D.** & Stefanutti L. (2011). Rating Ranking or both? A joint application of two probabilistic models for the measurement of values. *TPM Testing, Psychometrics, Methodology in Applied Psychology*, 18(1), 49-60, doi: 10.4473/TPM.18.1.4

[Q3]

SEMINAR HELD BY INVITATION

Stefanutti, L. & **de Chiusole, D.** (2018). *Knowledge Space Theory for the Educational, Psychological, and Neuropsychological Assessment*, University of Vienna, June, 06-08.

## ORGANIZATION OF SYMPOSIUM AND CONFERENCES

Stefanutti, L. & **de Chiusole, D.** (2019). *La modellazione formale delle misconceptions*, Workshop: Le basi cognitive dell'insegnamento della fisica, Università di Firenze, Firenze, 28 Gennaio

International Conference "European Mathematical Psychology Group Meeting, EMPG", 2 – 5 September, 2025, Padova

Symposium entitled "New frontiers in neuropsychological assessment" for the European Congress of Methodology 2023 (Ghent), of the European Association of Methodology, 11 – 17 July

Symposium "Knowledge space theory and beyond", Padua 9 – 10 January, 2023

Symposium entitled "Connecting Knowledge Space Theory to other formal theories" for the international conference IMPS 2022 (Bologna), of the Psychometric Society, 11 - 15 July

International Conference "European Mathematical Psychology Group Meeting, EMPG", 1 – 3 September, 2015, Padova

## INTERNATIONAL CONFERENCES

**de Chiusole, D.**, Stefanutti, L., & Brancaccio, A. (2024, September 4–6). From knowledge structures to preference structures: Extending the basic local independence model to forced-choice pair comparison tasks. Talk presented at the *European Mathematical Psychology Group Meeting 2024*, Tübingen, Germany.

Stefanutti, L., Epifania, M. O., **de Chiusole, D.**, & Anselmi, P. (2024, September 4–6). The order multiverse of sum scores. Talk presented at the *European Mathematical Psychology Group Meeting 2024*, Tübingen, Germany.

Bacherini, A., & **de Chiusole, D.** (2024, July 2–5). MatriKS: A new computerized Raven-like test for the fluid intelligence efficient assessment. Symposium organized at the *International Test Commission (ITC) Conference*, Granada, Spain.

Bacherini, A., **de Chiusole, D.**, Epifania, O. M., Brancaccio, A., Anselmi, P., Stefanutti, L., Pierluigi, I., & Balboni, G. (2024, July 2–5). Evaluating fluid intelligence with MatriKS: Development and construct validity evidence. Talk presented at the *International Test Commission (ITC) Conference*, Granada, Spain.

Mazzoni, N., Spinoso, M., Giovagnoli, S., Orsoni, M., Garofalo, S., **de Chiusole, D.**, Anselmi, P., Epifania, O. M., Brancaccio, A., Bacherini, A., Pierluigi, I., Stefanutti, L., Balboni, G., & Benassi, M. (2025, March 1). Traiettorie di sviluppo di accuratezza e tipologia di errori nella valutazione dell'intelligenza fluida misurata con il nuovo strumento digitale MatriKS. Talk presented at the *Giornate di aggiornamento sull'uso degli strumenti in psicologia clinica e dello sviluppo*, Bologna, Italy.

**de Chiusole, D.**, Anselmi, P., Stefanutti, L. & Robusto, E. (2018). The effect

of missing data on the goodness-of-fit of a model in the knowledge space theory framework, Oral contribution to the SEPEX – SEPNECA – AIP experimental, Madrid, Spain, July 3-6. Speaker

Stefanutti, L., **de Chiusole, D.** (2018). Spaces for the adaptive assessment of problem solving with neuropsychological test. Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Genova, July 30 – August 2, 2018

**de Chiusole, D.**, Gondan, M., Stefanutti, L. (2018). Probabilistic models for misconceptions in knowledge space theory, Genova, July 30 – August 2, 2018. Speaker

Gondan, M., Stefanutti, L., & **de Chiusole, D.** (2018). An R-Prolog platform for arithmetic misconceptions, Genova, July 30 – August 2, 2018

**de Chiusole, D.**, Anselmi, P., Stefanutti, L. & Robusto, E. (2017). Testing the fit of BLIM-like models with missing data, Poster presented to the Annual Meeting of the Society of Mathematical Psychology, Warwick, UK, July 22-25. Speaker

Stefanutti, L. Anselmi, P., **de Chiusole, D.** & Spoto, A. (2017). On the generalization of knowledge space theory to polytomous items, Oral presentation to the Annual Meeting of the Society of Mathematical Psychology, Warwick, UK, July 22-25.

Spoto A., **de Chiusole D.** & Stefanutti, L. (2017). *Building a polytomous knowledge structure: a data-driven methodology*, Poster presented to the Annual Meeting of the Society of Mathematical Psychology, Warwick, UK, July 22-25. Speaker

Robusto, E., **de Chiusole D.**, Stefanutti, L., Anselmi, P. (2017). *Learning how students learn in a knowledge space theory based intelligent tutoring system*, Poster presented to the Annual Meeting of the Society of Mathematical Psychology, Warwick, UK, July 22-25. Speaker

Anselmi, P., **de Chiusole, D.**, Stefanutti, L., Robusto, E. (2016). *Modelling Skill Dependence in Knowledge Space Theory*, Oral contribution to the 40th Annual Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences (AMASES), Catania, September 15-17.

Stefanutti, L. & **de Chiusole, D.** (2016). *Tracking individual learning in competence based knowledge space theory*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Copenhagen, Denmark, June 20-22.

**de Chiusole, D.** Stefanutti, L., Anselmi, P., & Robusto, E. (2016) *Automatic item generation for the assessment of individual knowledge: how to test item equivalence*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Copenhagen, Denmark, June 20-22. Speaker

Stefanutti, L., **de Chiusole, D.** & Spoto, A. (2015). *Data driven knowledge structure construction: Some recent developments*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Padua, Italy, September 1-3.

Anselmi, P., Stefanutti, L., Robusto, E. & **de Chiusole, D.** (2015). *An extension of the Gain-Loss model to surmise systems*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Padua, Italy, September 1-3.

**de Chiusole, D.** & Stefanutti, L. (2014). *Outer fringes in a competence structure*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Tuebingen, German, 30 July-August 01. Speaker

Anselmi, P., Stefanutti, L., Robusto, E., and **de Chiusole, D.** (2014). *The Gain-Loss Model for skill dependence*, Oral Contribution to the European Mathematical psychology Group Meeting EMPG, Tuebingen, German, 30 July- August 01, 2014.

**de Chiusole, D.** Stefanutti, L., Anselmi, P., & Robusto, E. (2013). *Modeling Missing Data in Knowledge Space Theory*, Oral Contribution to the 46th Annual Meeting of the Society of Mathematical Psychology, Potsdam, Germany, 4-7 August. Speaker

Anselmi, P., Robusto, E., Stefanutti, L., & **de Chiusole, D.** (2013). *An Evolving computerized Adaptive Testing Procedure for Enhancing Individual Knowledge Assessment*, Oral Contribution to the 46th Annual Meeting of the Society of Mathematical Psychology, Potsdam, Germany, August 4-7.

Stefanutti, L. & **de Chiusole, D.** (2012). *The Hessian and Covariance Matrices of the Basic Local Independence Model*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Pamplona, Spain, 29-31 August.

**de Chiusole D.**, Stefanutti, L., Anselmi, P., & Robusto, E. (2012). *Assessing parameter invariance in the BLIM: Bipartition models*. Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Pamplona, Spain, 29-31 August. Speaker

**de Chiusole D.**, Anselmi, P., Stefanutti, L., & Robusto, E. (2011). *The Gain-Loss Model: bias and variance of the parameter estimates*, Oral Contribution to the European Mathematical Psychology Group Meeting EMPG, Parigi, 29-31 August. Speaker

## ITALIAN CONFERENCES

**de Chiusole, D.**, Anselmi, P., Robusto, E., & Stefanutti, L. (2017). *Valutare le conoscenze e favorire l'apprendimento mediante un intelligent tutoring system*. XXIII Congresso Annuale AIP Sezione di Psicologia Sperimentale, Bari, 20-22 Settembre. Speaker

Anselmi, P., **de Chiusole, D.**, Stefanutti, L., & Robusto, E. (2017). *Una procedura per testare l'equivalenza di istanze alternative di uno stesso item*, XXIII Congresso Annuale AIP Sezione di Psicologia Sperimentale, Bari, 20-22 Settembre.

Anselmi, P., **de Chiusole, D.**, Robusto, E., Stefanutti, L. (2015). *Valutazione formale delle conoscenze e dell'apprendimento in presenza di dipendenze tra le abilità*, XXI Congresso Annuale AIP Sezione di Psicologia

Sperimentale, Rovereto, 10-12 Settembre. Simposio "Modelli formali dei processi cognitivi".

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