



UNIVERSITÀ  
DEGLI STUDI  
DI PALERMO

DIPARTIMENTO  
DI MATEMATICA  
E INFORMATICA

**dmi**  
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# MaTeK

## Enhancement of research excellence in Mathematics Teacher Knowledge

H2020-WIDESPREAD-2018-2020

Project Id: 951822

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### **UniPa Workshop - Local dissemination and special session on quantitative data analysis in Math and Science Education**

December 20, 2021

*Department of Mathematics and Informatics, DMI - UniPa*



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UniPa organizes a **local workshop** as one of the MaTeK project <https://www.projectmatek.eu> activities for the enhancement of research excellence in Mathematics Teacher Knowledge. **The mail goal** of the workshop will be to improve PhD students, novice mathematics education researchers and Teacher-Researchers of GRIM - UniPa Research Group in Math Education, for scholarly communication. Promoting **communication, cooperation and collaboration**, invited speakers (young and senior researchers, teachers-researchers of all school grades) will present their current researches. A special session of the workshop will be dedicated to Data analysis in Math and Science Education research.

All workshop sessions will include presentations and exchanged feedback and suggestions. Some of the talks will be in Italian language some in English and Italian languages, according of the audience requests.

The event, **opened to anyone interested**, will be held on December 20, 2021 **in presence** at the *Department of Mathematics and Informatics, DMI - UniPa, Stanza 105*, and **online** by *Google Meet*, according to the following program:

Time	Presentation/Title	Speaker
9,00	<b><i>Greetings and introduction (in Italian and English languages)</i></b>	Prof. Benedetto Di Paola <i>Mathematics Education - UniPa Italy</i> Prof. Cinzia Cerroni <i>Mathematics Education - UniPa Italy</i> Prof. Claudio Fazio <i>Physics Education - UniPa Italy</i> Prof. Slavičková Mária <i>Mathematics Education - Uniba Slovak Republic</i>
09,20	<b><i>Liceo matematico e motivazione per l'apprendimento della Matematica (in Italian language)</i></b>	Dott. Donatella Collura <i>PhD student in Mathematics Education – UniPa</i>
09,40	<b><i>Coding e apprendimenti disciplinari. Uno sguardo verticale tra Primaria e Secondaria (in Italian language)</i></b>	Prof. Anna Scarpulla <i>Teacher at Istituto Comprensivo Statale Marineo Bolognetta “Mario Francese” INDIRE – INVALSI Expert</i>
10,00	<b><i>Percorsi didattici per lo studio dei fenomeni di superficie (in Italian language)</i></b>	Dott.ssa Giulia Termini <i>PhD student in Physics Education – UniPa</i>
10,20	<b><i>I problemi con variazione cinesi nell'insegnamento- apprendimento della Geometria: esempi di trasposizione culturale nella Scuola Secondaria di I grado Italiana (in Italian language)</i></b>	Dott. Giulia Buttitta <i>PhD student in Mathematics Education – UniPa</i>





10,40	<i>Coffee break</i>	
11,00	<b><i>L'aula in classi multiculturali: fra pratica quotidiana e prospettive future (in Italian language)</i></b>	Dott. Giuseppe Bianco <i>PhD student in Mathematics Education – UniPa Italy</i>
11,20	<b><i>Ricerca e formazione del futuro insegnante di Matematica. I progetti Bridg2Teach e MaTeK coordinati da UniPa (in Italian language)</i></b>	Prof. Benedetto Di Paola <i>Mathematics Education - UniPa Italy</i>
11,40	<b><i>Cluster Analysis of educational data: theoretical aspects to analyze student reasoning lines in Math and Science (in English language)</i></b>	Prof. Onofrio Rosario Battaglia <i>Physics Education – UniPa Italy</i> Prof. Benedetto Di Paola <i>Mathematics Education - UniPa Italy</i>
12,40	<b><i>Discussion and conclusion (in Italian and English languages)</i></b>	Prof. Benedetto Di Paola <i>Mathematics Education - UniPa Italy</i> Prof. Onofrio Rosario Battaglia <i>Physics Education – UniPa Italy</i> Prof. Cinzia Cerroni <i>Mathematics Education - UniPa Italy</i> Prof. Claudio Fazio <i>Physics Education - UniPa Italy</i> Prof. Slavíčková Mária <i>Mathematics Education - Uniba Slovak Republic</i>

The link to participate online is: <https://meet.google.com/fnp-mknm-yte>

Prof. Benedetto Di Paola  
*Local coordinator MaTeK project for UniPa  
President of GRIM, UniPa Research Group in Math Education*

