



2020 CAFA Training Conference

CAFA Automatic Item Generation: Building Blocks for Digitizing Nonverbal Cognitive Ability Assessment

**2020 CAFA Training Conference**  
**Automatic Item Generation**  
**Building Blocks for Cognitive Ability Assessment**

May 28-29, Columbia, MD or Online

2-Day Automatic Item Generation training for assessment professionals in Nonverbal Cognitive Ability Assessment. Expand their understanding of digitalizing cognitive assessments with AIG technology in HRM, clinical, and educational settings using the CAFA AIG system.

[AIG.CAFALab.com/CAFA2020](https://AIG.CAFALab.com/CAFA2020)

### What is Automatic Item Generation (AIG)?

AIG is an emerging assessment tool in which cognitive and psychometric theories are integrated together for the purpose of developing massive and high-quality assessments using digital technologies. Despite the tremendous content area and application potential of AIG, however, there is still a shortage of professional development resources and opportunities for implementing AIG in practice. To help facilitate access to this revolutionary technology, CAFA Lab, Inc. proudly presents a 2-day training conference specifically designed for in-service assessment professionals (item writers, psychometricians, assessment application developers) who wish to learn the background, benefits, innovations, and practical applications of AIG.

### Who should attend?

This conference is specifically built around the theme of *Nonverbal Cognitive Ability Assessment*. Professionals who are directly involved in developing and/or managing cognitive ability assessments (e.g., tests of quantitative/spatial reasoning, memory, concentration, processing speed) may find this workshop extremely useful as a way to expand their present understanding of assessment development with AIG, especially with technologically-enhanced and innovative item types using the CAFA AIG system for both clinical and educational settings.

During the conference, participants will have access to the CAFA AIG system for various computerized item modeling hands-on exercises to gain practical experience. It is assumed that participants have a sound understanding of basic concepts of educational or psychological measurement, such as reliability, validity, test security, and the item development/validation process.

Limited seats! For more information and to register, visit

<https://AIG.CAFALab.com/CAFA2020/>



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## 2020 CAFA Training Conference

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### Training Itinerary

Day 1 (May 28, Thursday; Instructor: Dr. Choi)	Day 2 (May 29, Friday; Instructor: Dr. Yoon)
08:30 ~ 09:00   Refreshments	08:30 ~ 09:00   Refreshments
09:00 ~ 09:30   Opening Remarks	09:00 ~ 10:30   Item Modeling Practice: Figure Classification Items
09:30 ~ 10:30   Introduction to AIG	10:30 ~ 10:45   Break
10:30 ~ 10:45   Break	10:45 ~ 12:15   Item Modeling Practice: Figure Pattern (aka. Raven's Matrices Type) Items
10:45 ~ 12:15   CAFA AIG System	12:15 ~ 13:15   Lunch
12:15 ~ 13:15   Lunch	13:15 ~ 14:45   Item Modeling Practice: Spatial Reasoning (e.g., Folding and Punching Type) Items
13:15 ~ 14:45   Item Modeling Practice: Parameterized Words and Numbers	14:45 ~ 15:00   Break
14:45 ~ 15:00   Break	15:00 ~ 16:00   Item Modeling Practice: Quantitative Reasoning Items
15:00 ~ 16:30   Item Modeling Practice: Parameterized Figure and Diagram	16:00 ~ 16:30   Closing Remarks

#### Instructors:



**Dr. Jaehwa Choi** is an inventor of CAFA AIG system and an associate professor and director of Assessment, Testing, and Measurement program at the George Washington University. Over the last decade, he has conducted various AIG research and development projects with leading institutes. He also has provided various AIG training on the concept and utilities of AIG for digital assessments. At the conference, he will be responsible for training in the fundamentals of AIG and the development of basic item models with parameterized texts, numbers, and graphs.



**Dr. Kyongil Yoon** is an inventor of the CAFA AIG system and an associate professor of Computer Science at Notre Dame of Maryland University. Over the last decade, he has developed various computerized item models in the fields of mathematics, science, statistics, and cognition. He also has provided AIG training to help leading institutes build advanced item models. At the conference, he will be responsible for training in the development of advanced item models with parameterized figures, graphs, and sounds to measure cognitive abilities in digital environments.

#### Registration Fees:

Onsite: \$1,500 (Discounted early bird rate \$1,300 available until April 30, 2020)

Online: \$700. Both Onsite and Online Fees include [CAFA AIG Yearly Subscription – Personal Version](#) (\$600 value)



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