2020 Sand Casting and Additive Manufacturing Conference
August 31-September 3, 2020 | LIVE ONLINE

EARLY REGISTRATION:
(ENDS AUGUST 1ST, 2020)
Non-member: $900.00 | Member: $600.00

STANDARD REGISTRATION:
Non-member: $1,080.00 | Member: $720.00

RETURN FORM TO:
American Foundry Society
35169 Eagle Way, Chicago, IL 60678-1351
Tel: 800-537-4237  Fax: 847-824-7848

TAX DEDUCTION OF EXPENSES:
An income tax deduction is allowed for expenses of education, including registration fee, travel, meals and lodging, undertaken to maintain and improve professional skills (see U.S. Treasury Regulation 1.162.5).

CONFERENCE CANCELLATIONS & SUBSTITUTIONS:
Substitutions will be accepted anytime. However, cancellations of confirmed registrants with full refund of fees will not be accepted unless received at least two weeks prior to the conference date. In the unlikely event the conference is cancelled for any reason, AFS liability is limited to the return of the registration fee.

CONFERENCE PHOTO POLICY:
Registration for the conference implies consent that pictures, video or audio recording taken during AFS and AFS-related events can be used for conference coverage and promotional purposes. AFS is able to use your likeness without remuneration.

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Everything related to sand casting and 3D sand printing in one place!

AFS has combined the sand casting and additive manufacturing conferences into one big on-line event! Now, you can hear leading experts on green sand casting and 3D printing tell their stories in a single conference. Using both live online and on-demand material, this conference will cover the latest advances in sand casting technologies as well as practical information that will help attendees improve their foundry processes. Learn how others are managing their sand casting operations and hear from founders who have successfully incorporated 3D printing into their sand casting process. Topics will include green sand casting in different molding media, green sand additives, sand system control, chemically bonded molds and cores, sand testing, refractory coatings, processes and equipment for 3D sand printing, printed hard tooling for sand casting and environmental, health, and safety related issues.

Register today at: www.afsinc.org/2020Sand-AdditiveConference

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APPLICATION OF SAND 3D PRINTING FOR STAINLESS STEEL CASTINGS
Dr. Yoya Fukuda, Kimura Foundry America Inc., Shelbyville, IN

ADVANCING DEVELOPMENTS FOR 3D CONSUMABLES - RESIN SYSTEMS, COATING AND CLEANERS
Kelley Kerns, HA-International, Westmont, IL

PRINTED CERAMIC SANDS
Doug Imrie, Southern Cast Products Inc., Jonesboro, AR

FAST PRINTING AND NEW PRINTING TECHNOLOGIES
James Haidos, ExOne, North Huntingdon, PA

SPECIALTY ADDITIVES AND COATINGS FOR PRINTED CORES
TBA

DESIGN & MODELING OF 3D PRINTED SAND CASTING
Jiten Shah, Product Development & Analysis LLC, Naperville, IL

SESSION 3: CHEMICALLY BONDED MOLDS AND CORES
Session Chair: Dr. Scott Giese, University of Northern Iowa, Cedar Falls, IA

THE JOURNEY TO SILICA COMPLIANCE WITH CERAMICS
Bill Johnston, Ellwood Engineered Castings, Hubbard, OH; Claude Krause, Carbo Industrial Technologies, Broussard, LA

“ASK THE EXPERT” LIVE DISCUSSION:
CHEMICALLY BONDED MOLDS, CORES AND REFRACTORY COATINGS (AFS CURED SAND & AGGREGATE COMMITTEE)
Sairam Ravi, University of Northern Iowa, Cedar Falls, IA; Brodie Bietsner, HA-International, Westmont, IL

ADOPTION OF INORGANIC BINDERS
Kelley Kerns, HA-International, Westmont, IL; Joe Muniza, ASK, Chemicals, Dublin, OH

A CASTING TRIAL TO EVALUATE VARIOUS CHEMICALLY BONDED SAND DISC-SHAPED SPECIMENS FOR SURFACE FINISH AND EROSION DEFECTS
Milan Rival, Altair Engineering, Inc., Troy, MI

ANALYSIS OF THE CORE BLOWING PROCESS
Magma Foundry Technologies, Inc., Schaumburg, IL

SESSION 4: ADDITIVE MANUFACTURING - PRINTED HARD TOOLING
Session Chairs: Kirk Rogers, CASE Western University, N. Lima, OH; Kip Woods, Emerson Process Management, Nevada, IA

3D PRINTED FOUNDRY TOOLING - NO LONGER A “WAIT AND SEE” TECHNOLOGY
Garrett Iverson, Alliant Castings, Winona, MN

PRINTING PATTERNS AND CORE BOXES
Clay Guillory, Titan, Colorado Springs, CO

SESSION 5: ENVIRONMENTAL, HEALTH & SAFETY
Session Chair: Jeff Krause, HA International, Westmont, IL

MANAGEMENT OF ANIME EXPOSURE IN THE PUCB CORR Room
Jarek Olszak, Laempe-Reich, Trussville, AL

EHS ASPECTS OF 3D SAND PRINTING - AIR QUALITY, VENTILATION AND LIMITS ON FA
Kip Woods, Emerson Process Management, Nocada, IA; Jeff Krause, HA International, Westmont, IL

SAND PROCESSING METHODS SHOW REDUCTION OF RESPIRABLE SILICA FOR THE FOUNDRY INDUSTRY
Jerry Thiel, University of Northern Iowa, Cedar Falls, IA