

Distinguished Lecture Series

OTUG announces its 2001 Distinguished Lecture Series, "A Call to Action," at the O'Shaughnessy Education Center (OEC) on the St. Paul campus of the University of St. Thomas.

Object Technology Users Group

4 October 11

Kristen Nygaard

From Oslo, Norway, co-creator of SIMULA, the world's first object-oriented language

"What Your Mother Never Told You about Object-Oriented Programming"

<http://www.ifi.uio.no/~kristen/>

2001

Speaker:

From 1962 to 1967, Kristen Nygaard and Ole-Johan Dahl collaborated to create multiple versions of the first object-oriented programming language. Its name was derived from its original purpose – a discrete event SIMULATION LAnguage, but SIMULA was expanded and reimplemented as a general-purpose programming language that introduced key object-oriented concepts: objects, classes, inheritance, virtual procedures and multi-threaded program execution. Since then he has continued his contributions to the field by developing the BETA language, as well as doing research in system development and social aspects of informatics (computer science). He has been the recipient of numerous awards, including the Norbert Wiener Prize for responsibility in social and professional work and an Honorary Fellowship for "his originating of object technology concepts" by the Object Management Group.

Lecture:

His lecture will begin with a survey of how object-oriented programming was created and started to spread, focusing on the world picture -the perspective - of the Simula languages, and the various versions of that picture built into other object-oriented languages.

This will be followed by what, in Kristen Nygaard's opinion, should be the basic concepts of informatics:

- * perspectives,
- * information processes, with substance, states, and transitions as their basic aspects,
- * structure,
- * inheritance and virtual procedures and quantities

The lecture will continue with some remarks about the three basic families of languages:

- * substance-oriented (e.g., object-oriented languages, database languages)
- * state-oriented (e.g., PROLOG)
- * transition-oriented languages (e.g., procedure-oriented languages, functional languages)

Finally, he will briefly cover his recent work in language constructs, using the theatre metaphor to model layered architectures.



Ticket Purchase Information

For single event tickets, the cost is \$25 for members and students, \$30 for non-members. Or save \$20 by purchasing the entire series of four presentations in advance. Download the ticket order form from www.otug.org.

If you are not currently a member and you wish to join, enclose your membership form downloaded from our web site, www.otug.org, with your Distinguished Series purchase. Dues are \$20.00 annually, or \$35.00 for two years.

Logistics

▶ Directions to OEC: see

www.stthomas.edu/maps

▶ Lot parking:. Enter the University from Selby Avenue at Finn Street and follow the road down towards the stadium playing field to the underground visitors pay lot.

▶ Street parking: There are parking spaces on the streets that border the campus—specifically certain sides of Summit, Cleveland, Cretin and Selby Avenues—but posted time restrictions apply to several of these streets, so please check the signs.

For more information, visit <http://www.otug.org>