

IEEE MDM 2021 (Jun 15–18)
(originally hosted at York University,
Toronto, Canada)

Awards Ceremony

Test-of-Time Award

Award Committee

Christian S. Jensen (Chair), Vana Kalogeraki, Jianliang Xu

Award Justification

for having inspired many researchers in the area of
wireless sensor networks

Published at MDM 2007, the paper anticipates a proliferation of low-cost wireless sensors. In this setting, the paper envisions global-scale, data-oriented sensor networks, or a Sensor Internet. More specifically, the paper proposes a middleware prototype that aims to support a range of purposes, such as (i) providing a virtual sensor abstraction on top of underlying sensor hardware, (ii) enabling of sensor-data integration and distributed query processing, and (iii) facilitating sensor mobility. This visionary paper has proven to be very influential. Notably, it has inspired many researchers in its area, as evidenced by it being cited frequently.



IEEE



IEEE COMPUTER SOCIETY

TCDE

Technical Committee on Data Engineering

THE 22ND IEEE INTERNATIONAL CONFERENCE ON
MOBILE DATA MANAGEMENT

TEST-OF-TIME AWARD

AWARDED TO

KARL ABERER (EPFL), MANFRED HAUSWIRTH (TECHNICAL UNIVERSITY OF BERLIN
AND FRAUNHOFER FOKUS, GERMANY), ALI SALEHI (TERADATA, AUSTRALIA)

FOR THEIR PAPER

INFRASTRUCTURE FOR DATA PROCESSING IN LARGE-SCALE INTERCONNECTED
SENSOR NETWORKS (PUBLISHED AT IEEE MDM 2007)

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng



Vana Kalogeraki
Nick Koudas
Jianliang Xu

PROGRAM CHAIRS

GENERAL CHAIRS

JUN 15 - 18, 2021, TORONTO, CANADA

Congratulations to Test-of-Time Award Winners



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Karl Aberer (EPFL), Manfred Hauswirth (Technical University of Berlin and Fraunhofer FOKUS), and Ali Salehi (Teradata, Australia)

Best Paper Award

Award Committee

Takahiro Hara (Chair), Panos K. Chrysanthis, Evaggelia Pitoura, Kai Zheng

Award Justification

based on novelty, technical completeness and applicability



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BEST PAPER AWARD

AWARDED TO

QIAN TAO (BEIHANG UNIVERSITY), YONGXIN TONG (BEIHANG UNIVERSITY), SHUYUAN LI (BEIHANG UNIVERSITY), YUXIANG ZENG (HONG KONG UNIV. OF SCIENCE & TECH.), ZIMU ZHOU (SINGAPORE MANAGEMENT UNIVERSITY), KE XU (BEIHANG UNIVERSITY)

FOR THEIR PAPER

A DIFFERENTIALLY PRIVATE TASK PLANNING FRAMEWORK
FOR SPATIAL CROWDSOURCING

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng



Vana Kalogeraki
Nick Koudas
Jianliang Xu

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MOBILE DATA MANAGEMENT

BEST PAPER RUNNER-UP AWARD

AWARDED TO

HAINING TAN, DI YAO, TAO HUANG, BAOLI WANG, QUANLIANG JING, JINGPING BI
(INSTITUTE OF COMPUTING TECHNOLOGY, CHINESE ACADEMY OF SCIENCES)

FOR THEIR PAPER

META-LEARNING ENHANCED NEURAL ODE FOR CITYWIDE NEXT
POI RECOMMENDATION

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng

PROGRAM CHAIRS



Vana Kalogeraki
Nick Koudas
Jianliang Xu

GENERAL CHAIRS

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Best Student Paper Award

Award Committee

Takahiro Hara (Chair), Panos K. Chrysanthis, Evaggelia Pitoura, Kai Zheng



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BEST STUDENT PAPER AWARD

AWARDED TO

HAO CHENG (UNIVERSITY OF MARYLAND), SHUYUE WEI (BEIHANG UNIVERSITY),
LINGYU ZHANG (DIDICHUXING INC.), ZIMU ZHOU (SINGAPORE MANAGEMENT
UNIVERSITY), YONGXIN TONG (BEIHANG UNIVERSITY)

FOR THEIR PAPER

ENGAGING DRIVERS IN RIDE HAILING VIA COMPETITION:
A CASE STUDY WITH ARENA

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng

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Vana Kalogeraki
Nick Koudas
Jianliang Xu

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BEST STUDENT PAPER
RUNNER-UP AWARD

AWARDED TO

AKIL SEVIM (UNIVERSITY OF CALIFORNIA, RIVERSIDE), AHMED
ELDAWY (UNIVERSITY OF CALIFORNIA, RIVERSIDE)

FOR THEIR PAPER

HQ-FILTER: HIERARCHY-AWARE FILTER FOR EMPTY-RESULTING
QUERIES IN INTERACTIVE EXPLORATION

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng



Vana Kalogeraki
Nick Koudas
Jianliang Xu

PROGRAM CHAIRS

GENERAL CHAIRS

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Best Demo Paper Award

Award Committee
Cheng Long, Bin Yang

Award Justification

based on fitness to IEEE MDM's mandate, functionality
comprehensiveness, video presentation, and demonstration



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BEST DEMO PAPER AWARD

AWARDED TO

BRIAN NIXON, SAYANTANI BHATTACHARJEE, BENJAMIN GRAYBILL, CONSTANTINOS
COSTA, SUDHIR PATHAK, WALTER SCHNEIDER, PANOS K. CHRYSANTHIS
(UNIVERSITY OF PITTSBURGH)

FOR THEIR PAPER

HEALTHDIST: A CONTEXT, LOCATION AND PREFERENCE-AWARE SYSTEM FOR SAFE
NAVIGATION

Cheng Long
Bin Yang



Vana Kalogeraki
Nick Koudas
Jianliang Xu

DEMONSTRATION CHAIRS

GENERAL CHAIRS

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Best Industry and Application Paper Award

Award Committee
Chen Lei, Raghu Ganti

Award Justification

based on the review comments, video presentation
and research topic



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BEST INDUSTRY AND APPLICATION PAPER AWARD

AWARDED TO

CONSTANTINOS COSTA[†], BRIAN NIXON[†], SAYANTANI BHATTACHARJEE[†], BENJAMIN GRAYBILL[†],
DEMETRIOS ZEINALIPOUR-YAZTI[‡], WALTER SCHNEIDER[†], PANOS K. CHRYSANTHIS[†]
([†]UNIVERSITY OF PITTSBURGH, [‡]UNIVERSITY OF CYPRUS)

FOR THEIR PAPER

A CONTEXT, LOCATION AND PREFERENCE-AWARE SYSTEM FOR
SAFE PEDESTRIAN MOBILITY

Chen Lei
Raghu Ganti



Vana Kalogeraki
Nick Koudas
Jianliang Xu

INDUSTRY & APPLICATIONS CHAIRS

GENERAL CHAIRS

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PhD Forum D&I Award

Award Committee
Sihem Amer-Yahia‡

Award Justification

for an overall inclusive presentation, which is gender neutral (in narrative and in figures), avoids exclusionary examples, illustrates color blind inclusive graphs (with patterns and not only colors), is organized in easily readable slides and figures and achieves clarity of embedded video/animations



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PHD FORUM D&I AWARD

AWARDED TO

RAKAN ALSEGHAYER (UNIVERSITY OF PITTSBURGH)

FOR THE PRESENTATION OF THEIR PAPER

RACoon: RAPID CONTACT TRACING OF MOVING OBJECTS
USING SMART INDEXES

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng

PROGRAM CHAIRS



Vana Kalogeraki
Nick Koudas
Jianliang Xu

GENERAL CHAIRS

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People's Choice of Best Pitch Video Award

Award Committee
IEEE MDM 2021 attendees

Award Justification

popular vote



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TCDE

Technical Committee on Data Engineering

THE 22ND IEEE INTERNATIONAL CONFERENCE ON
MOBILE DATA MANAGEMENT

PEOPLE'S CHOICE OF BEST
PITCH VIDEO AWARD

AWARDED TO
RAKAN ALSEGHAYER
(UNIVERSITY OF PITTSBURGH)

FOR THEIR PAPER
RACOON: RAPID CONTACT TRACING OF MOVING OBJECTS
USING SMART INDEXES

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng

PROGRAM CHAIRS



Vana Kalogeraki
Nick Koudas
Jianliang Xu

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THE 22ND IEEE INTERNATIONAL CONFERENCE ON
MOBILE DATA MANAGEMENT

PEOPLE'S CHOICE OF BEST PITCH
VIDEO RUNNER-UP AWARD

AWARDED TO

FRANCESCO BUCCAFURRI, VINCENZO DE ANGELIS, MARIA FRANCESCA IDONE, CECILIA
LABRINI (UNIVERSITÀ MEDITERRANEA DI REGGIO CALABRIA)

FOR THEIR PAPER

A DISTRIBUTED LOCATION TRUSTED SERVICE ACHIEVING K-ANONYMITY AGAINST THE
GLOBAL ADVERSARY

Panos K. Chrysanthis
Evaggelia Pitoura
Kai Zheng

PROGRAM CHAIRS



Vana Kalogeraki
Nick Koudas
Jianliang Xu

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Congratulations to all awardees!