DAMA Newsletter January 2023

Stephen Kaiser, CCP, ICCP President
President's Message

In 2022, we were so pleased to be able to successfully put on some in-person meetings – the first one in June with Guanjie Shen – June 7, 2022 from DATABRICKS, title "Road to Lakehouse: A Brief History of Analytics" and that gave us confidence that we might be able to run an in-person conference in the fall of 2022. I've been attending the DAMA Presidents' Council meetings and we've had calls for people to step up for positions on the DAMA International Board of Directors, as well as the Chair of the President's council. Either term limits were reached or people just tired of the volunteering work and desired a change. We continue to work on improving the education and training opportunities for data professionals in the Edmonton and Northern Alberta region. During the past year we've had meetings with NAIT Continuing Education on Big Data, Data Management and Machine Learning/AI. As well we have been working with MacEwan University on creating a micro-credential in Data Literacy. We've also provided NAIT with instructors to teach their corporate training courses or develop new curriculum and examinations. A number of Board members have been invited onto NAIT advisory committees and have assisted them in building out curriculum and training needed for our industry.

Challenges facing Chief Data Officers (CDOs) in 2023

1. CDOs will need to implement effective Data Governance policies and procedures for handling sensitive data and assuring protection of personal privacy of data.
2. Data Integration to provide holistic data views for decision support from verifiable and reliable resources. (For data integration - review Blair Kjenner's "Breaking Bad *(habits)* with 3D Enterprise Systems" from https://technicspub.com) editor Steve Hoberman and contributing author Bill Inmon (father of Data Warehousing). Professors may request a complimentary copy if reviewing for their course(s).
3. Data Security (Cybersecurity); Data Literacy (increasing data analytics with business); Machine Learning and AI (increasing use, complexity and ethical use of data); Increasing Data Regulations (Government and international – especially country based data privacy – China, India, etc.)
4. Data Strategy evolution linking closely to Business Strategy for the organization.

Bob Hiew – VP of Business Development

When DAMA Edmonton Chapter was formed in April 2015, our goals were to help improve the economic environment in Edmonton; attract data management expertise into the region; and to provide opportunities for professionals to network and to share their knowledge and expertise. Today more than ever, we are able to further our goals with the help and partnerships with our sponsors as mentioned in the last paragraph. We've been able to attract the world's leading speakers to our monthly meetings and conferences since 2015, many of those experts are local but often underappreciated. Our local industry leaders and startup up companies have been driving the employment growth and diversification of our economy. We have the world's leading ML/AI programs at the University of Alberta (AMII), Google Deepmind, AltaML and many others that are doing incredible work. At NAIT we are blessed to have the world's leading international education and computer training center. We continue to work with educational institutes such as Concordia University and MacEwan University and their continuing education as well as full time programs.

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I want to take this opportunity to thank our sponsors during the past and present conferences: SAS, Groundswell – now part of Deloitte, Snowflake, Databricks, IBM, AltaML, ICCP, AMII – University of Alberta, University of Calgary, NAIT, CPA Canada, SimplicityBI, Method1 Enterprise Software, Intellimedia, Tantus, Darkhorse Analytics, SilverCreek Software, IntegrationWorx, Quadrus, ThoughtSpot – Fishbone, NewComp Analytics.

Board members: Welcome Bernadiene Hsie, CPA (VP – Finance & Audit), Bruce Matichuk (Health Gauge), VP- IoT, ML/AI and large language models; Rania Waseef, VP Data Governance & Education. We are pleased to announce that our team of Board members has fun and are creative in finding interesting speakers and are experts in their own fields. Surinder Padem, Bob Hiew and Kewal Dhariwal are the founding members of the DAMA Edmonton Chapter, and they continue to lead the organization on its many projects and interests. Daniel Haight (Darkhorse Analytics) is one of our chapter advisors along with individuals like Peter Guest (IBM).

Photos: Speakers and Organizers – dinner; Databricks Rob Signoreti and Bill Inmon; Surinder and Tantus – Prizes; Tech support for live streaming; Registration desk; NAIT Computer Labs for exams; Bill Inmon & Kewal Dhariwal; Shaw Theater – main presentation location; Kris Andreychuk & Bob Hiew.

Conferences, Events and updates: The Edmonton Data Management Conference was a huge success, especially after Covid-19 restrictions, this was the first in-person and online conference jointly organized with 5 other Canadian DAMA Chapters. The largest number of in-person attendees were in Edmonton, while Calgary, Toronto, Montreal, and Vancouver, Winnipeg chapter had various levels of registrations online and in-person attendees. The conference was sponsored by a number of local and national companies: Tantus Solutions, SilverCreek, Intellimedia Inc., SAS, Snowflake, Databricks, Darkhorse Analytics, IBM, ICCP and the host NAIT Polytechnic.

The ICCP-DAMA Edmonton collaboration allows DAMA Edmonton Chapter to offer ICCP Online courses and earn income for the chapter for each person registered. This allowed the chapter to quickly move to offer courses in Data Governance, Data Quality, Business Intelligence and Data Management. Some of the experienced chapter directors became instructors on various ICCP courses. ICCP and DAMA Edmonton are also working with MacEwan university to offer Data Literacy courses as part of a micro-credential.

A new course in "3D Enterprise Architecture" is being written, video tapes prepared and will be available June 2023. Authors are Blair Kjenner and Kewal Dhariwal. Their textbook "Breaking Bad (habits) with 3D Enterprise Systems" is published by https://technicspub.com edited by Steve Hoberman and chapter contribution by Bill Inmon. The course includes the concepts of Generally Accepted Data Management Principles (GADMP™) and Generally Accepted Application Development Principles (GAADP™) as well Enterprise Software Development Body of Knowledge. They are including future oriented concepts such as large language models for 3D Enterprise Systems as well as Software Construction as a Service (SCaaS).

Recent Webinars Delivered by DAMA Edmonton Chapter – hosted by ICCP and sponsored by Tantus Solutions – our chapter sponsor.

a. Dr. Mahdi Shahbakthi (UofA), Stephen Lindwall (April 2022) Topic: Cooperative Truck Platooning Systems Trial Dr. Mahdi Shahbakhti, & Stephen Lindwall (Tantus Solutions) - Data & Movement Informatics for Collaborative Truck Platooning Systems

b. Guanjie Shen (DataBricks) June 2022 Title: "Road to Lakehouse: A Brief History of Analytics". Lakehouse is the newest paradigm emerging for modern data analytics architecture.

c. Eric Dressler, AVP Data & Analytics, AMA (Dec 2022)– Data Strategies at the Alberta Motor Association and increases to customer satisfaction and improving decision making and service offerings.

d. Upcoming Bruce Matichuk will discuss how Data Management can use ChatGPT in so many ways to document glossaries, metadata, build software applications, build user interfaces and large language models to assist us to develop new solutions. This is a hybrid meeting January 26 at NAIT 5pm-7pm. Register on the https://dama-edmonton.org website or on Eventbrite and if you are a remote attendee we'll send you a Webex link. If you are a member and do not have the code to register as a paid member of a corporate member do contact us at damaedmonton@gmail.com

Certifications:

In preparing for your certification programs or just improving your knowledge: Online 12 module courses, instructor-led are starting up again (January 19, June 17 and September 20). These courses have been prepared by Experts for practitioners in the data related fields. New courses in Data Science, Big Data and Blockchain are available this year.

Self study can be purchased at any time. Some of the available courses are listed below and can be purchased from our website. Most of the data related courses use the DAMA DMBoK as the textbook for the course and can prepare you to take the **Certified Data Management Professional (CDMP)** exams from DAMA International or you can take the **Certified Data Professional (CDP)** credential exams from https://iccp.org Fees for the online courses are in Canadian dollars from the https://dama-edmonton.org website

1. Big Data
2. Blockchain Technical
3. Business Intelligence & Data Analytics
4. Data and Information Quality
5. Data Foundations (Data Literacy)
6. Data Governance and Stewardship
7. Data Management
8. Data Modeling (Data Development)
9. Data Science
10. Data Warehousing
11. Information Systems Core
12. IT/IS Management
13. Systems Development

CDMP – Certified Data Management Professional

Many chapters across Canada are getting together to offer a study led by various chapters responsible for one or two section of the DMBoK. Registration information will be presented shortly.

· Day of Week: Wednesdays for 90 minutes
· Start time: 7:30 Eastern, 6:30 Central, 5:30 Mountain, 4:30 Pacific
· First Meeting: Feb 15th
· CDMP Fee: $50 for members; $150 for non-members (includes one year membership fee)
· Schedule: 14-16 weeks