# Logos/cis-logo-exports-final-8-2015-3/Web/2_Department_Lockups/InformationScience/cis-infosci-2-color.pngMaster of Professional Studies in Information Science

# Sponsored Project Proposal Form – Spring 2018

Please complete the following project proposal form to sponsor an MPS Project. This form will be used to determine if your project is appropriate for MPS students and whether it is of sufficient scope for a semester long project (~400-500 person-hours). We will assign teams with complementary skills based on the skills and experience you list in this form. We will also share most of this form with the students to help them make their top project choices before we assign the projects.

Please direct any questions to the MPS Project Coordinator: [is-mps-projects@cornell.edu](mailto:is-mps-projects@cornell.edu)

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| Sponsor Name | | Credit Suisse | | | | | | Date | 12/4/17 |
| Contact Name(s) | | Lakshmi Thyagarajan  Wendy Walasek | | | Email(s) | Gayathri.Thyagarajan@credit-suisse.com [Wendy.Walasek@credit-suisse.com](mailto:Wendy.Walasek@credit-suisse.com) | | Phone | +1 212 325 4987  +44 20 7883 0026 |
| Description of the Sponsor | | | | | | | | | |
| As one of the world's leading banks, Credit Suisse provides its clients with investment banking, private banking and asset management services worldwide. Founded in 1856, Credit Suisse has a long tradition of meeting the complex financial needs of a wide range of clients, offering advisory services, comprehensive solutions and innovative products to companies, institutional clients and high-net-worth private clients globally, as well as retail clients in Switzerland. Credit Suisse is active in over 50 countries and employs approximately 45,000 people. Further information can be found at www.credit-suisse.com.  Cultural diversity is essential to our success. As such, we employ people from more than 100 countries. Credit Suisse empowers employees to work openly and respectfully with each other and with clients, ultimately striving to deliver superior results while offering initiatives and programs to assist employees achieve a healthy work-life balance. | | | | | | | | | |
| Please indicate which academic year and semester you would like to propose your project. | | | | | | | | | |
| Year | 2018 | | Semester | Fall | | Spring |  | | |
| Project Title | | | | | | | | | |
| Product Reference Data Consolidated Model | | | | | | | | | |
| Project Goal or Description | | | | | | | | | |
| Given a set of reference data models from several reference data systems, design a consolidated product reference data model.  Credit Suisse’s Chief Data Office has supported the purchase of data quality verification systems to support the goals of having high quality data for our operational, risk management and regulatory reporting. We are often asked why we are not supporting products that leverage machine learning. We have periodically looked at machine learning algorithms and have to date chosen products that are more mature and have a larger user base. We believe that the machine learning tooling space is advancing and it is worth looking again at how the data quality tools are maturing especially in relation to leveraging machine learning to identify data issues. | | | | | | | | | |
| What activities are necessary to achieve the project goal? | | | | | | | | | |
| * Understand the different data models and how the attributes are different and if the meaning is different and why. * Research public product reference data models and compare to the ones that you were given. * Design a consolidated model that captures the variety of the attributes across the data models and deals with any ambiguity or conceptual collisions that this creates. | | | | | | | | | |

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| What outcome would determine that the project is a success? Do you expect specific deliverables? |
| Presentation of consolidated product model design. The presentation should include design decision points, considerations and trade-offs that were made in creating the product model design. Any assumptions in making the design should be mentioned as well. |
| What are the skills and experience must the students already know to start work on the project?  Please be specific and keep in mind that students will be building their skills during the duration of the project. |
| Analytic skills, communication skills, logical reasoning, SQL, basic understanding of data modeling, basic understanding financial systems products (equity trade, derivative, future) and a desire to understand more about data of financial products. |
| What are the skills and experience required to complete the project that the students may learn while completing the project? |
| The project team would expect to learn about financial products and the data attributes required to trade a product. Improved understanding financial product data. Data modeling and data design will be required. |
| The project representative must be available 30 minutes per week for status reports, the interim report, and the final presentation. As the project sponsor, are you able to make this time commitment?  Yes. Please elaborate. |
| We will reserve time daily to engage for the project during the project timeframe. |
| Some sponsors may choose to spend additional time with the student teams, e.g. phone contacts for monthly status discussions, reviewing research results, providing midpoint project feedback, and offering input to the final deliverables in advance of its completion. As the project sponsor, are you available to participate in these or any additional activities?  Yes. Please elaborate. |
| Yes, I would expect the team to meet for weekly meetings while they are working on the project and we would be available for questions daily. |
| The project representative needs to facilitate access to company resources as needed and approve expenses. As the project sponsor, are you able to facilitate access to such resources, should the need come up?  Yes. Please elaborate. |
| The expectation would be that the project team would be able to work on school hardware and obtain temporary licenses to complete evaluation work and develop presentation materials. |
| Please consider other contributions listed below. Are you willing to make these contributions? (check all that apply)  Provide existing industry and company data as background at the beginning of the project.  Pay one or more team members to travel to your location for initial briefing / work session / final presentation.  Please elaborate. |
| My understanding is the teams are in NY. If they would find it helpful we can meet at our offices in Manhattan or I could go to the school to meet in person. Otherwise we will be able to meet via Skype calls and share materials as necessary. |
| Please send your completed project proposal to the MPS Project Coordinator: [is-mps-projects@cornell.edu](mailto:is-mps-projects@cornell.edu) |