**BUDGET JUSTIFICATION**

**Senior Personnel**

Prof. Fred J. Hickernell, Professor of Applied Mathematics at Illinois Tech, will lead overall leadership for this project, and mentor the graduate and undergraduate student research assistants. He will contribute expertise in QMC methodology, especially error analysis and stopping criteria.

Dr. Sou-Cheng Choi, Chief Data Scientist at Kamakura Corporation will provide in-kind, voluntary expertise in software engineering, documentation,

*Note: For purposes of NSF PAPPG section II.C.2.g(i)(a), the term “year” at Illinois Institute of Technology refers to IIT’s fiscal year (June 1 – May 31).*

**Other Personnel**

**Fringe Benefits**

IIT’s federally negotiated fringe benefit rates are: faculty academic salary, 27.1%; faculty summer salary, 7.9%; staff salary, 28.4%; and student stipends, 0.0%.

**Equipment**

**Travel**

**Participant Support**

**Other Direct Costs**

Materials and Supplies

Publications

Consultant

Computer (ADPE) Services

Subcontractor

Tuition

Other

**Indirect Costs**

IIT’s current federally negotiated indirect cost rate (agreement date 02/24/2020) is 54% of modified total direct costs (MTDC). MTDC include all salaries and wages, fringe benefits, materials, supplies, services, travel and up to the first $25,000 of each subaward. MTDC excludes equipment, participant support, capital expenditures, student tuition, rental costs of off-site facilities, as well as the portion of each subaward in excess of $25,000.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Y1 | Y2 | Y3 | Total |
| Direct Costs |  |  |  |  |
| Indirect Costs |  |  |  |  |
| Total Costs |  |  |  |  |
| *Modified Base* |  |  |  |  |